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ABSTRACT

Intended as a resource document as well as a status report on all the statewide career information delivery systems (CIDS) in operation, this report examines the status of 39 statewide information systems. (Career information delivery systems are computer-based systems that provide national, state, and local information to individuals who are in the process of career exploration and/or job search.) Outlined briefly are the purpose and characteristics of state CIDS, their characteristics, legislation creating them, and their policies and standards. Next, information is provided pertaining to the following aspects of state CIDS: administrative/organizational structures, information development, information delivery, software, market penetration, financing, and future directions and recommendations. Presented next are descriptions of CIDS currently in operation in 39 states: 21 that were funded by the National Occupational Information Coodinating Committee, 9 by the Department of Labor, and 9 by state and local agencies. Each program description covers some or all of the following topics: grant period, federal obligation, operating agency, contact, staff, software, delivery modes, files available, files planned, institutional user sites, fiscal 1982 revenue sources, annual user fees, estimated fiscal 1983 operating budgets, and evaluation. The last section provides profiles of CIDS software packages. (MN)

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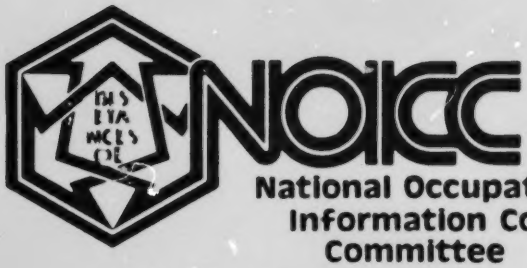

National Occupational
Information Coordinating
Committee

STATUS OF STATEWIDE CAREER INFORMATION DELIVERY SYSTEMS

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CE033601

STATUS

OF

STATEWIDE CAREER INFORMATION DELIVERY SYSTEMS

August 1982

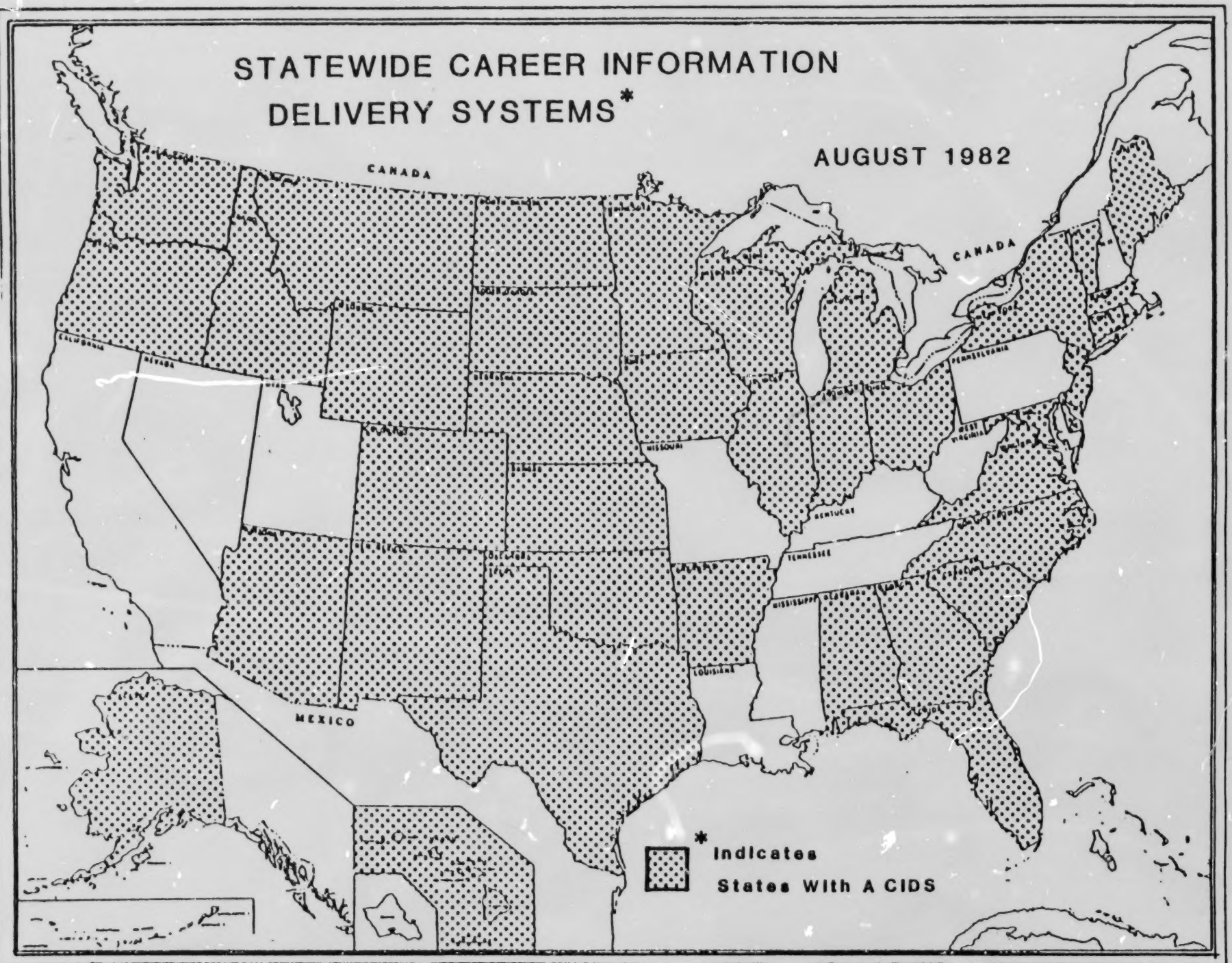
Prepared by

WYNONIA L. DUNN

for

THE NATIONAL

OCCUPATIONAL INFORMATION COORDINATING COMMITTEE


STATEWIDE CAREER INFORMATION
DELIVERY SYSTEMS*
AUGUST 1982
CANADA
CANADA
MEXICO
* Indicates
States With A CIDS

CONTENTS

I. INTRODUCTION 1

II. SUMMARY OF PROGRAMMATIC STATUS, FUTURE PROSPECTS and RECOMMENDATIONS..... 5

III. PROFILES OF 15 NOICC/CIDS GRANTEES..... 14
(Grant Period - 2 years)

IV. PROFILES OF 6 NOICC/CIDS GRANTEES..... 30
(Grant Period - 1 year)

V. PROFILES OF STATE CIDS FUNDED BY DEPARTMENT OF LABOR 37

VI. PROFILES OF STATE CIDS DEVELOPED WITHOUT FEDERAL DEVELOPMENTAL GRANTS..... 47

VII. DESCRIPTIONS OF CIDS SOFTWARE..... 57

VIII. APPENDIX..... 79

EXHIBITS A. CIDS MARKET PENETRATION MATRIX..... 9

B. SUMMARY OF INSTITUTIONAL USER SITES..... 10

C. FY 1982 CASH REVENUES FOR NOICC/CIDS GRANTEES..... 11

FOREWORD

The following document reports on the status of 39 Statewide Career Information Delivery Systems (CIDS) - 9 that were developed with the assistance of Department of Labor grants, 21 with the assistance of NOICC grants, and 9 that were developed with State and local funds.

For the past two and one-half years the 21 NOICC/CIDS grantees have been monitored by Wynonia Dunn, an administrator with Fairfax County Public Schools, Fairfax, Virginia, who has been on an Intergovernmental Personnel Assignment with NOICC. During this time she has monitored the 21 grantees through site visits, review of quarterly reports, and telephone interviews. Ms. Dunn, in conjunction with other NOICC staff members, has made site visits to 18 of the 21 States. Alaska, Iowa, and Vermont were not visited.

On September 30, 1982, the Federal developmental grant funds are scheduled to expire. A few States have requested time extensions to allow them to expend their allocated funds in the most efficient, effective manner possible. NOICC's total grant obligation to the 21 State systems has been $5.2 million. As of July 1, 1982, $735,000 had not been spent by the States. The 21 NOICC grantees procured matching funds from State and local sources in the form of cash and in-kind contributions. The State to Federal funding match resulted in approximately a 2 to 1 ratio.

This report is intended tp be a resource document as well as a status report on all the State CIDS in operation. State systems, other than NOICC grantees were included to provide a comprehensive picture. Sections I and II provide an overview of the status of State CIDS along with recommendations to NOICC. Sections III through VI include profiles of State systems. The profiles have been formatted in a manner that will facilitate periodic updating. Section VII includes descriptions of CIDS software packages.

SECTION I

INTRODUCTION

- Purpose and Objectives of State CIDS
- Characteristics of State CIDS
- Legislation Creating State CIDS
- Identification of State CIDS
- Policies and Standards

STATEWIDE CAREER INFORMATION DELIVERY SYSTEMS

Statewide Career Information Delivery Systems (CIDS) provide national, State and local information to individuals who are in the process of career exploration and/or a job search. State CIDS address a need that most people face at one time or another - the need for timely, accurate, and relevant occupational and educational information for making career-related decisions. The availability of such information helps individuals make smoother transitions at key points during their career life, such as the transition from school to work, a return to the labor force, the changing of careers, or the search for a new job. Specific objectives of the CIDS are to:

1. help students and clients learn about and understand the range of career opportunities presently available and those that are likely to be available in the future;

2. help entrants to the labor force become aware of occupations they would find acceptable and personally satisfying;

3. encourage persons in the process of career exploration and decisionmaking to seek out vocational information on their own;

4. increase awareness of major sources of occupational, educational and training information;

5. help people learn of educational and training opportunities and their relationship to occupations they may be exploring;

6. provide support for related programs, including career education, career and employment counseling, employment and training and educational planning.

State CIDS share common characteristics:

1. They are computer-based but possess multiple delivery modes.
2. They deliver national, State and local career information to users.
3. They use, to the maximum extent possible, the pertinent data and information available through the OIS.
4. They utilize an accessing or search strategy that sorts and selects occupations that are compatible with client-identified variables.
5. They serve users in a wide variety of settings - secondary schools, post-secondary institutions, libraries, CETA facilities, job service offices, vocational rehabilitation centers throughout the State.
6. They are effective with persons of varying ability and experience.
7. They foster interagency and intergroup cooperation at the organizational level.
8. They are financially supported by State and local funds after the termination of Federal developmental grant monies.

Creating Legislation

The Education Amendments of 1976 (P.L. 94-482) established the National Occupational Information Coordinating Committee (NOICC) to develop and implement an Occupational Information System (OIS) and to improve communication, coordination and cooperation in the use of that system. The Act also required the establishment of State Occupational Information Coordinating Committees (SOICCs). In the Comprehensive Employment and Training Act (CETA) Amendments of 1978 (P.L. 95-524), the Congress extended the role of both the National and State Committees. The CETA Amendments required NOICC to "give special attention to the labor market information needs of youth, including activities such as, but not limited to:

1. "assisting and encouraging local areas to adopt methods of translating national aggregate occupational outlook data into local terms;

2. "providing technical assistance for programs of computer on-line terminals and other facilities to utilize and implement occupational information supplied by State employment security agencies and to improve the match of youth career desires with available and anticipated labor demand;

3. "assisting and encouraging the development of State occupational information systems, accessible to local schools, including pilot programs in the use of computers to facilitate such access;

4. "in cooperation with State and local correctional agencies, encouraging programs of counseling and employment services for youth in correctional institutions;

5. "in cooperation with State and local educational agencies and other appropriate persons and organizations, encouraging programs to make available employment and career counseling to post-secondary youths; and

6. "providing technical assistance for programs designed to encourage public and private employers to list all available job opportunities for youth with the appropriate eligible applicants, employers, and offices."

Basically, the legislative mandate in the CETA Amendments reflects a high level of concern for the delivery of labor market and educational information to students and other clients in a form useful for career decisionmaking. The legislative intent was for the OIS to be the source of information in the CIDS to the maximum extent possible.

Before NOICC and SOICCs were established, the Department of Labor initiated the Statewide CIDS program in the 1970's by funding the development of 9 State systems. Oregon was the first State awarded a Federal grant. After Oregon successfully demonstrated the feasibility of developing a Statewide computer-based system to deliver career information, DOL funded 8 additional systems: Alabama, Colorado, Massachusetts, Michigan, Minnesota, Ohio, Washington, and Wisconsin.

In November, 1979, NOICC awarded CIDS developmental grants to 15 States for a two-year period. These States are Alaska, Arizona, Connecticut, Delaware, Florida, Georgia, Hawaii, Iowa, Kansas, Maine, Maryland, Nebraska, New York, North Carolina, and South Carolina. In December, 1981, NOICC modified 9 of these CIDS grants by awarding supplementary funds in the amount of $40,000 each. In May, 1981 NOICC awarded CIDS developmental grants to an additional 6 States for a period of one year. These 6 States are: Idaho, Montana, New Jersey, Vermont, Virginia, and Wyoming. The majority of NOICC grantees have received time extensions to assure an effective, eficent expenditure of funds.

In addition to the States that have developed CIDS with the assistance of Federal grants, 9 States have developed systems without Federal grants. These states are: Arkansas, District of Columbia, Illinois, Indiana, New Mexico, North Dakota, Oklahoma, South Dakota, and Texas.

NOICC's Policies and Standards

NOICC, as a matter of policy, adopted the DOL program as the "standard concept in encouraging the development and use of occupational information for career choice and job search purposes" (Federal Register, Dec. 12, 1979, Part V.) As the CIDS Program expanded, NOICC developed additional policies and standards.

NOICC's Policies and Standards on Statewide Career Information Delivery Systems are contained in NOICC Administrative Memorandum 80-18, dated September 18, 1980. All CIDS grant programs funded through NOICC are required to meet the standards and policies published in NOICC Administrative Memorandum 80-18 or, show progress in meeting them.

SECTION II

SUMMARY OF PROGRAMMATIC STATUS
and
FUTURE PROSPECTS AND RECOMMENDATIONS

- Administrative/Organizational Structures
- Information Development
- Information Delivery
- Software
- Market Penetration
- Financing
- Future of State CIDS and Recommendations

Administrative/Organizational Structures

The 21 State CIDS funded by NOICC are administered by the SOICCs in their respective States. Ten of these State Committees have contracted out the operation of the CIDS to an institution, agency or organization within the State. In addition to the 21 NOICC grantees, 7 other SOICCs have administrative authority over State systems. Four State CIDS are administered by universities, two by State Departments of Education, one by Job Service, three by private/non-profit organizations, and one by a private for-profit organization.

Staffing of the individual State CIDS varies from 1 to 13 positions. The size depends upon the internal organization of job functions, contracting practices and the use of in-kind contributions. Job functions are usually categorized within the areas of program management, information development, user services (marketing and training), information delivery (programming, formating, technical assistance, configuration selection and maintenance) and finance management.

Information Development

According to NOICC's standards, all State CIDS are required to provide both national and State-specific occupational information. The statements below summarize the status of information development for all 39 State CIDS.

- 36 State CIDS have State-specific occupational and educational information
  3 State CIDS (New Jersey, Arkansas, District of Columbia) are in the developmental stage

- 15 State systems have national educational information

- 6 State systems have a job bank (Alabama, Arizona, Florida, Maine, South Carolina, Vermont)

- 3 State CIDS have an Employers File (Arizona, Delaware, Hawaii)

- 19 State CIDS have a Military File

- 8 States (Alaska, Arizona, Delaware, Hawaii, Nebraska, Idaho, Vermont, Wyoming) are developing a Planners File (Occupational Data System) during FY 1982.

- 17 State CIDS have integrated the Standard Occupational Classification (SOC) into their systems.
  13 State CIDS plan to integrate SOC into their systems in 1983.

Information Delivery

The primary delivery modes are the on-line computer, microcomputer, hard copy materials, needlesort, microfiche, and a toll-free hotline. Most States use a combination of delivery modes. The trend appears to be to retain the on-line computer and expand market penetration by using microcomputer delivery. Fifteen State systems now offer microcomputer delivery; 5 State systems will be using microcomputers in the fall and 2 State CIDS will offer microcomputer delivery in 1983. Microcomputers are being used in several ways: 1) storing the search strategy on a floppy diskette and using it in conjunction with the total data base through the on-line computer, needlesort, or microfiche; 2) using more than one floppy diskette to store the occupational data base as well as the search strategy; 3) using microcomputers as terminals for an on-line system; 4) incorporating the use of hard disc technology to expand storage capacity. The number of State CIDS sites is expected to increase dramatically because of the proliferation of microcomputers within school systems and agencies.

Software

State CIDS use various software packages or programs. More than 10 software packages are currently being used by State systems. The software programs share common characteristics while at the same time possess unique features. Descriptions of the software programs are included in Section VII of this report.

Thirty-two State systems contract with vendors to obtain software. The software consists of an accessing or search strategy along with standard information files. The State systems add localized information and special needs files to the core software programs to build information systems that meet the needs of the client population. Five State systems develop their own software (Delaware, Kansas, Massachusetts, Michigan, and Wisconsin). In addition to developing DELPHI, software that provides localized information, Delaware also makes available national information through GIS. Two States, Arkansas and Virginia, adopted MOIS, a program copyrighted by Michigan and made available to other States in the public interest.

Thirty-two State systems currently use one software package, but at least two of these systems are considering the use of more than one (microcomputer versions). Seven systems currently use multiple software packages to deliver career information to users across the State (Delaware, Florida, Illinois, New York, Nebraska, Oklahoma, South Dakota). One reason multiple software packages are used is that more than one software package was already in use within the

State prior to the inception of the State CIDS. This situation came about as a result of demographics, different client population needs, existing technology and the need for national information not readily available through all software packages. An emerging reason for using multiple software packages is that State systems are developing the capability of developing their own software. A third reason is the decision on the part of the State CIDS to increase client access to localized information by making it available through various software packages prevalent within a State.

Market Penetration

The number of user sites is constantly changing. Additional sites, particularly microcomputers, are added daily. The largest number of sites are found in the secondary schools. Other sites are located in post-secondary schools, adult education centers, employment security offices, CETA, vocational rehabilitation centers, correctional institutions, libraries, and community-based organization. Market penetration matrices are included that provide the number of each type of site for each of the NOICC-funded CIDS (Exhibit A). A summary matrix which gives the number of sites for NOICC grantees, DOL grantees, and those States that have developed programs on their own is included in Exhibit B.

Financing

In addition to Federal grant funds ($5.2 million), the primary revenue sources for the 21 NOICC/CIDS grantees have been user fees, CETA, vocational education, vocational rehabilitation, State departments of education, State employment and training and State legislative funding. Grantees were required to match their Federal grant funds with State and local funds in the form of cash or in-kind contributions. The match resulted in a State to Federal ratio of more than 2 to 1. The 18 State systems that are not receiving NOICC/CIDS grants receive their revenue from a combination of agency contributions and user fees. Some are dependent exclusively on one or the other. Of the 39 State CIDS, eleven do not assess a user fee, four depend exclusively or almost exclusively upon user fees and 24 systems draw upon a combination of agency contributions and user fees. A funding matrix is included that shows an an analysis of FY 82 revenue sources for NOICC grantees (Exhibit C).

All of the State Systems are supported exclusively by State and local funds upon expiration of Federal developmental grants.

Six States (Alaska, Florida, Georgia, Hawaii, Maine, South Carolina) have procured State legislative funding for FY 83.

Evaluation and Monitoring

All of the Statewide CIDS have undertaken some form of evaluation, an internal or an external (third party) type. The majority of State systems utilize a Statistical Package on their computerized version for monitoring purposes.

Exhibit A

NOICC/CIDS GRANTEES
USERS SITES
(APPROXIMATE)

CIDS MARKET PENETRATION MATRIX: USER SITES DATE: 7/82

STATE	S. SCHOOLS	P.S. SCHOOLS	ADULT ED.	ES	CETA	VOC. REHAB.	CORRECT	LIBRARIES	OTHER	TOTAL
1. ALASKA	60	8	1	6	5	4	2	0	22	108
2. ARIZONA	156	12	1	0	2	1	1	1	26	200
3. CONNECTICUT	79	14	1	7	5	4	1	0	19	130
4. DELAWARE	6	3	0	1	1	2	0	0	13	26
5. FLORIDA	527	28	0	2	7	7	0	0	4	575
6. GEORGIA	57	27	1	1	2	0	1	0	21	110
7. HAWAII	34	8	0	0	6	1	0	0	11	60
8. IOWA	621	44	0	24	9	8	1	0	59	766
9. KANSAS	65	10	0	0	0	3	0	0	2	80
10. MAINE	100	12	0	4	10	3	2	1	4	136
11. MARYLAND	400	50	0	25	50	50	0	25	0	600
12. NEBRASKA	226	19	0	14	6	8	4	2	15	294
13. NEW YORK	290	0	0	4	4	4	0	4	0	306
14. N. CAROLINA	32	17	0	2	16	2	0	0	2	71
15. S. CAROLINA	126	39	0	17	0	8	5	3	37	235
TOTAL	2,779	291	4	107	123	105	17	36	235	3697

NOICC/CIDS GRANTEES
USERS SITES
(APPROXIMATE)

CIDS MARKET PENETRATION MATRIX: USER SITES DATE: 7/82

STATE	S. SCHOOLS	P.S. SCHOOLS	ADULT ED.	ES	CETA	VOC. REHAB.	CORRECT	LIBRARIES	OTHER	TOTAL
1. IDAHO	123	1					1		10	135
2. MONTANA	19	2			1				9	31
3. NEW JERSEY										0
4. VERMONT	5			12						17
5. VIRGINIA	296	54		22	12	17		18	24	443
6. WYOMING	27	3				1		2	3	36
TOTALS:	470	60		34	13	18	1	20	46	662

Exhibit B

SUMMARY
of
INSTITUTIONAL USER SITES

STATE CIDS	SITES
NOICC'S 21 GRANTEES	4,359
DOL's 9 GRANTEES	4,089
SYSTEMS DEVELOPED WITHOUT FEDERAL DEVELOPMENTAL GRANTS	1,382
TOTAL	9,830

Exhibit C

NOICC/CIDS GRANTEES
FY 82 CASH REVENUES
(Dollar amounts in thousands)

STATE	DEVEL CIDS GRANT	SUP CIDS GRANT	SOICC BAG	EIC	VOC EDUC	EDUC E&S	HIGHER EDUC	LABOR	ES	CETA	ETA	VOC REHAB	USER FEE	LEGIS-LATURE	DEPT HUMAN SERV	TOTAL
1. ALA			34.5		57			11					125	160		387.5
2. ARIZ		40			120.5								38.5			199
3. CONN		40	27		68					150						285
4. DEL	28	40	87.5							27.5						183
5. FLA	34.5				48						48	48	433.5			612
6. GA		40								92			60			192
7. HA	155			9						116			66	272		618
8. IA	79	40			266								30			415
9. KAN	7	40										48	45			140
10. ME		40			5			5			70		60		5	185
11. *MD	150				88					8		27.5				282.5
12. NEB	84				30					40			40			194
13. NY	69									135						204
14. NC		40								42			240			322
15. SC		40	85							35			98			258
TOTALS:	606.5	360	234	9	682.5			16		645.5	118	123.5	1236	432	5	4477

*Libraries: 7: Career Education:2

NOICC/CIDS GRANTEES
FY 82 CASH REVENUES
(Dollar amounts in thousands)

STATE	DEVEL CIDS GRANT	SUP CIDS GRANT	SOICC BAG	VOC EDUC	EDUC E&S	HIGHER EDUC	LABOR	ES	CETA	ETA	PIC	VOC REHAB	USER FEE	LEGIS-LATURE	TALENT SEARCH	TOTAL
1. ID	78.5		87						30		43					238.5
2. MT	97			26.5		7.5			21				19		3	174
3. NJ	150															*
4. VT	73		16	45				3.5	17	22						176.5
5. VA	150			125					121.5							396.5
6. WY	70		4										25			99
TOTALS:	618.5		107	196.5		7.5		3.5	189.5	22	43		44		3	**1084.5/ 1234.5

*See State profile, page 21 for explanation

**The totals are different due to the fact that New Jersey's Matching and NOICC/CIDS Grant Funds are not indicated in the total colum whereas NOICC's obligation to New Jersey is indicated in the first column.

Future of Statewide CIDS and Recommendations to NOICC

The 1980s will be a fluid time for Statewide CIDS - a time filled with uncertainties, challenges, changes, and problems. At the time this report is being written, the future role of the Federal government with respect to State systems has not been defined. An ad hoc national CIDS Advisory Committee recommended that the Federal government retain a strong, visible coordinating role with respect to State systems. (See NOICC INFORMATION MEMORANDUM 82-7 for a copy of the recommendations.) At this time the writer of this report would like to expand upon the recommendations of the ad hoc committee and make a few personal recommendations to NOICC with respect to future planning.

The Federal government should retain a highly visible coordinating role with respect to State systems. This can be done in several ways, without making available additional developmental or maintenance grant funds.

First, NOICC should update and revise the CIDS Policies and Standards at the beginning of FY 83. NOICC should involve a task force of individuals associated with State systems in the revision of the standards. After completion, the Standards should be published in appropriate professional publications as well as the Federal Register.

Secondly, NOICC should establish a long-term enhancement grant program. The grant program should be competitive and require State matching funds. The funds should be awarded for the development or implementation of specific program enhancements identified by NOICC.

Thirdly, NOICC should organize a permanent National CIDS Advisory Committee comprised of representatives from groups such as the Department of Defense, Job Corps, Private Industry Council, and Chamber of Commerce. The committee should also include representation from selected foundations, corporations, universities and appropriate Federal and State agencies from labor and education.

Fourth, NOICC should communicate periodically to the SOICCs, the State CIDS, and appropriate professional associations the current status of State systems throughout the country. This task can easily be accomplished on a semi-annual basis by routinely up-dating this status report and sending out the subsequent revisions and changes.

State CIDS will be facing five major challenges in the 1980s. The first challenge will be to achieve a secure funding mechanism to ensure both immediate survival and future growth. Secondly, the State systems will have to focus on developing and retaining a strong constituency. Thirdly, State CIDS will be confronted with the challenge of maintaining high quality information in the systems if there are continued budget and staff cuts within State information-producing agencies. Another challenge will be to become flexible enough to adjust to changing times with respect to market and institutional changes while at the same time striving for programmatic stability. The fifth challenge will be to keep pace with the technological changes that will occur in the remainder of the decade and to know how to take advantage of rapidly changing technology without being trapped by the technology of the recent past.

In view of these challenges and their current status, the majority of State systems not only should survive, but also experience growth in the 1980's. Most of the systems are making significant progress towards diversifying their revenue and political support bases. Technology is making it possible to deliver career information in a highly efficient, cost-effective way to diverse population groups. Technological advances coupled with a rapidly growing computer sophistication on the part of CIDS staffs and the public should foster growth. In particular, the increasing computer sophistication of students and proliferation of microcomputers in the schools should enhance the growth of State systems. Lastly, there is a current perceived need on the part of the public, educators, and State legislators for accurate, relevant occupational information that can be disseminated in a timely, efficient manner. The State systems are meeting this need.

SECTION III

Fifteen Statewide CIDS were awarded two-year developmental grants by NOICC in 1979. Nine of these States were awarded on a competitive basis supplementary funding in the amount of $40,000 in 1981.

1. Alaska
2. Arizona
3. Connecticut
4. Delaware
5. Florida
6. Georgia
7. Hawaii
8. Iowa
9. Kansas
10. Maine
11. Maryland
12. Nebraska
13. New York
14. North Carolina
15. South Carolina

1. ALASKA

Grant Period: 12/1/79 - 11/30/81

Federal Obligation: Developmental Grant-$277,500;
Total Federal Obligation-$277,500

Operating Agency: SOICC

Contact: Mr. Welles Gabier, Coordinator
Alaska Occupational Information
Coordinating Committee
Pouch F - State Office Building
Juneau, Alaska 99811
(907) 465-2980

Staff: 7 1/2

Software: CIS

Delivery Modes: On-line computer
Needlesort
Hard Copy
Microcomputer

Files Available: State Occupations
Schools: (Includes all post-secondary institutions in Alaska, plus 33 schools from States within region.)
National Schools
Preparation
Bibliography
Financial Aid
Program of Studies and Training Files
Microquest
Employ

Files Planned: Occupational Data System (Fall, 1982)

Institutional User Sites: 107 (Multiple delivery modes)

FY 1982 Revenue Sources:

$ 160,000	State Appropriations
57,090	State Department of Education
11,000	State Department of Labor
34,582	Alaska SOICC BAG Grant
125,000	User Fees
$ 387,672	Total

Annual User Fee: $8 per individual

Estimated FY 83 Operating Budget: Unknown

Evaluation: Formal evaluation conducted in November, 1980. Stat-Pac is being utilized to monitor system on an on-going basis.

2. ARIZONA

Grant Period: 12/1/79 - 9/30/82

Federal Obligation: Developmental Grant-$294,500; Supplement-$40,000;
Total Federal Obligation-$334,500

Operating Agency: Arizona Department of Education

Contact: Mr. Bill Sharpe, Director
ACIS, Arizona Career Information System
1910 West Jefferson, Suite 2
Phoenix, Arizona 85007
(602) 255-5098

Staff: 5 1/2

Software: GIS III

Delivery Modes: On-line computer, Microfiche
Microcomputer (Fall, 1982)

Files Available: 6 National Files:
- 4-year colleges
- 2-year colleges
- Occupational
- Military
- Financial Aid
- Graduate Schools

6 State/Local Files:
- Occupations
- Employers
- Post-Secondary Institutions
- Job Bank
- Apprenticeships
- Arizona Standard Occupations (SOC File)

Files Planned:
- Secondary curriculum
- Planners
- Non-traditional occupations
- Vocational Rehabilitation

Institutional User Sites: 200
- Computer (on-line) sites: 125
- Microfiche sites: 75
- Microcomputer sites: 40 (Will be installed in Fall, 1982)

FY 1982 Revenue Sources:

$ 120,550		Arizona Department of Education
23,000	(in-kind)	Department of Employment Services
38,400		User Fees
141,000	(in-kind)	Base Users
40,000		CIDS Supplementary Funds
$ 362,950		Total ($198,950 - Cash; $164,000 In-kind)

Annual User Fee: $200 per terminal. $5,900 per base user; $280 per microfiche set.

Estimated FY 83 Operating Budget: $360,000

Evaluation: Independent formal evaluation was completed and sent to NOICC in July, 1981. Results of internal evaluation will be sent to NOICC at end of FY 82.

3. CONNECTICUT

Grant Period: 12/1/79 - 9/30/82

Federal Obligation: Developmental Grant-$294,500; Supplement-$40,000;
Total Federal Obligation-$337,500

Operating Agency: SOICC

Contact: Mr. Jim Wivell, Director
Connecticut Career Information Delivery Systems
90 Washington St.
Hartford, Connecticut 06115
(203) 566-2502

Staff: 5 1/2 FTE on CIDS staff; in addition, SOICC director and secretary work on CIDS

Software: GIS III

Delivery Modes: On-line computer

Files Available: 6 National Files:
- 4-year colleges
- 2-year colleges
- Occupational
- Military
- Financial Aid
- Graduate Schools

6 State/Local Files:
- Occupations
- Financial Aid
- Apprenticeships
- Vocational-Technical Schools
- Job Bank
- Quik (Occupational information on 5th grade reading level)

Files Planned: Planners

Institutional user sites: 130

FY 1982 Revenue Sources:

$ 150,000	OPM-DET/Governor's Special Grant
68,000	Vocational Education
27,347	SOICC BAG
40,000	CIDS Supplemental Funds
$ 285,347	Total

(This total does not reflect $125,000 in user fees that will be used in FY 1982. User fees do not 'flow' through the SOICC, but are processed through the computer center.)

Annual User Fees: 5 day week (7:30 - 4:30) - $3500
5 day week (24 hr. service) $4000
Modified price schedules according to amount of time used.

Estimated FY 83 Operating Budget: $285,000

Evaluation: On-going evaluation plan as well as independent evaluation of CIDS activities commencing October, 1981 is underway. Evaluation report will be completed by Qtr. IV, FY 82.

4. DELAWARE

Grant Period: 12/1/79 - 9/30/82

Federal Obligation: Developmental Grant-$294,000; Supplement-$40,000;
Total Federal Obligation-$334,000

Operating Agency: SOICC

Contact: Mr. Christopher D. Lyons, Director
State Occupational Information
Coordinating Committee
Drummond Plaza Office
Suite 3303, Building #3
Newark, Delaware 19711
(302) 368-6772

Staff: 6

Software: DELPHI/GIS

Delivery Modes: On-line computer
Hard copy and microfiche are planned

Files Available:
- 20 State/Local DELPHI Files currently available
- 50 State/Local DELPHI Files divided into 10 components will be on-line by the end of 1982
- 5 GIS National Files on-line now (Not using occupational file)

Files Planned: 0 (With the exception of those files currently being developed, no additional files are planned)

Institutional User Sites: 26
(100 additional sites will be on-line line by Fall, 1982).

FY 1982 Revenue Sources:

$ 87,500		SOICC BAG
27,500		CETA
329,000	(in-kind)	Computer Network (University of Delaware College of education and Delaware Department of Public Instruction)
28,000		NOICC/CIDS (carry-over of matching funds)
40,000		NOICC/CIDS Supplementary Funds
$ 512,000		Total (183,000 - Cash; 329,000 - In-kind)

Annual User Fee: No user fee

Estimated FY 83 Operating Budget: Unknown

Evaluation: Evaluation was conducted of the 9 month pilot phase by PRI, an independent contractor.

5. FLORIDA

Grant Period: 12/1/79 - 9/30/82

Federal Obligation: Developmental Grant-$294,000;
Total Federal Obligation-$294,000

Operating Agency: Center for Career Development Services

Contact: Mr. Bill Wooley, Executive Director
Center for Career Development Services
Florida Career Information Delivery System
Knott Building
Tallahassee, Florida 32301
(904) 488-0400

Staff: 9

Software: CHOICES

Delivery Modes: On-line Computer, Microfiche, Toll-free Hotline,
Newspaper Tabloid
Microcomputer (Fall, 1982)

Files Available: Florida Occupations
Job Bank

Files Planned: Institutions/Programs
Placement

Institutional User Sites: 575
On-line computer sites: 75
Microfiche sites - "View": 500

(160 on-line sites will be added within next 2 months; 200 on-line sites will be added during FY 83; Approximately 50 microcomputer sites will be added during Fall, 1982.)

FY 1982 Revenue Sources:

$ 48,000	Vocational Rehabilitation
48,000	Vocational Education
48,000	State ETA
433,547	User Fees
34,563	NOICC/CIDS (carry-over)
$ 612,110	Total

(Received $1 million for FY 1983 from State Legislature.)

Annual User Fee: $6,000 annually per site for on-line delivery of Choices
$135.00 annually per microfiche set

Estimated FY 83 Operating Budget: Unknown at present. Program undergoing expansion.

Evaluation: FY 81 Evaluation Report is currently available. During FY 82, project utilized a three-tiered evaluation design based on computer-generated data, site coordinator's reactions, and client/student data.

6. GEORGIA

Grant Period: 12/1/79 - 9/30/82

Federal Obligation: Developmental Grant-$292,500; Supplement-$40,000;
Total Federal Obligation-$332,500

Operating Agency: Georgia State University

Contact: Mr. Les Janis, Director
Georgia Career Information System
Georgia State University
University Place
Atlanta, Georgia 30303
(404) 658-3100

Staff: 11

Software: CIS

Delivery Modes: On-line computer, needlesort, microcomputer, microfiche

Files Available: CIS standard files including national schools file

Files Planned: Proprietary Schools

Institutional User Sites: 130 (31,000 users)
Computer sites: 38
Needlesort sites: 63
Microcomputer sites: 10
Combination sites: 19

FY 1982 Revenue Sources:

$ 49,754	CETA
41,980	CETA Coordination and Linkage Grant
60,000	User Fees
40,000	Supplementary Funds
$ 191,734	Total

(Requesting $150,000 for FY 1984 from State Legislature that is to be taken from State Department of Education funds.)

Annual User Fee: Computer - $2/user/year for first 5000 users, $1/user thereafter; Neeedlesort - $120/set; Microcomputer - $100 first set of books and discs, $80 thereafter. (Computer fee $150/month, $1200/9 months, $1500/12 months)

Estimated FY 83 Operating Budget: $300,000

(Received $300,000 from State Legislature)

Evaluation: Stat-Pak and user questionnaires are being used to monitor system.

Annual User Fee: -0-

Evaluation: Stat-Pak is being used to assess program performance. Also various methods are used to assess user impact and economic.

7. HAWAII

Grant Period: 12/1/79 - 9/30/82

Federal Obligation: Developmental Grant-$256,600; Total Federal Obligation - $256,600

Operating Agency: State Department of Labor and Industrial Relations

Contact: Ms. Carole Ann Ishimaru
Hawaii Career Information Delivery System
1120 Nehoa Street
Honolulu, Hawaii 96822
(808) 548-5330

Staff: 10 1/2

Software: CIS
ACT (National School Information)

Delivery Modes: On-line computer
Needlesort

Files Available:

State Specific Information-	National Information-
Occupations	National School File
Preparation	
Programs of Study	
School Information	
Major Employers	
Community Resources	
Job Bank	
Holland Cross-walk	

Files Planned: Planners
Financial Aid

Institutional Sites: 68 (Multiple delivery modes)

FY 1982 Revenue Sources:

$	155,000		NOICC/CIDS
	115,753		CETA Linkage Project
	39,000		State of Hawaii General Funds (GF 1981
	232,681		State of Hawaii General Funds (GF 1982)
	6,800	(in-kind)	Postsecondary Education Commission (PSEC)
	66,156		Career KoKua Initiation Fees (IF)
	10,300	(in-kind)	University of Hawaii at Hilo (UHH)
	30,000		EIC ($9,000 cash; $21,000 in-kind)
	19,378	(in-kind)	Department of Education, Monanalua High School
$	675,068		Total ($617,590-Cash; $57,478-In-kind)

8. IOWA

Grant Period: 12/1/79 - 9/30/82

Federal Obligation: Developmental Grant-$334,200; Supplement-$40,000;
Total Federal Obligation-$374,200

Operating Agency: Iowa Department of Public Instruction

Contact: Mr. Roger Foelske, Director
Career Information System of Iowa
Grimes State Office Building
Des Moines, Iowa 50319
(515) 281-4703

Staff: 10

Software: CIS

Delivery Modes: On-line computer, microcomputer, needlesort

Files Available:

INFO	Information sources vailable for that occupation
DESC	Description of job requirements, job duties, earnings, working conditions and employment prospects.
EDUC	Education requirements and training programs in Iowa for the occupation.
BIB	Bibliography of other sources of occupational information.
VISIT	Names of people to visit.
SCHA	School address and the phone number(s) for admissions and/or financial aid at an educational institution listed in the Educational Institutions Index.
SCHC	Descriptive information on continuing education, or
SCHC	Continuing education programs offered at an education institution listed in the Educational Institutions Index.
SCHP	Summary profile of basic information, e.g., enrollment, tuition, etc., for an educational institution.
ATTR	Attributes (Quest responses) that keep the occupation on the Quest list.
CLUS	Short cluster description and a list of C.I.S.I. occupations in that cluster.
PREP	Occupational preparation file in greater detail.
PROG	A detailed program file covering educational courses across the state.
PROF	Profiles of educational institutions in Iowa

Files Planned: National Education
Employer Profile

Institutional User Sites: 796 (Some sites are using multiple delivery modes.)

FY 1982 Revenue Sources:

$ 79,000	NOICC/CIDS
30,000	User Fee
265,865	State Vocational Education
40,000	CIDS Supplementary Funding
$ 414,865	Total

(All computer services, communication costs and director's salary are provided through in-kind contributions).

Annual User Fee: (Initial fee to cover cost of materials: $130—manual; $65—microcomputer; $30—computer: Annual update fee will be assessd to cover cost of materials for FY 1984.

Estimated FY Operating Budget: Unknown

Evaluation: Third party evaluation by Harrisburg Associates has been completed. An internal evaluation is conducted annually.

9. KANSAS

Grant Period: 12/1/79 - 9/30/82

Federal Obligation: Developmental Grant-$295,550; Supplementary Funds-$40,000; Total Federal Obligation-$335,550

Operating Agency: Kansas State University

Contact: Mr. Dennis Angle, Director
Kansas Careers
Kansas State University
College of Education
Manhatten, Kansas 66506
(913) 532-6540

Staff: 5

Software: Kansas Careers

Delivery Modes: Microcomputer

Files Available: Explore
Specific

Files Planned: Training in Kansas

Institutional User Sites: 80

FY 1982 Revenue Sources:

$ 48,000	Vocational Rehabilitation
45,000	User Fees
45,327	CETA
40,000	NOICC Supplementary Funds
7,000	NOICC/CIDS (carry-over)
185,327	Total

Annual User Fee: The minimum fee per site will be $350 and the maximum per site will be $1900. The average site charge in 1981-82 was about $450. (Based on school population - $1.40/student for a 9 month school year; $1.80/student for a 12 month year).

Estimated FY 83 Operating Budget: $115,000

Evaluation: An internal evaluation is conducted annually.

10. MAINE

Grant Period: 12/1/79 - 9/30/82

Federal Obligation: Developmental Grant-$234,250; Supplementary Funds-$40,000; Total Federal Obligation-$274,250

Operating Agency: SOICC

Contact: Mr. Dennis Fortier, Director
Maine Career Information Delivery System
State House Station 71
Augusta, Maine 04333
(207) 289-2331

Staff: 1

Software: GIS III

Delivery Modes: On-line computer, microfiche

Files Available: 6 GIS National Files
6 State/Local Files: Maine Occupations
Maine Vocational-Technical Institutes
Maine Financial Aid
Job Bank File
Special Services File
Maine SOC

Files Planned: Industry/Occupation File

Institutional User Sites: 136 (approximate)

FY 1982 Revenue Sources:

$ 70,000	State ETA Council
5,000	State Department of Education
5,000	State Department of Labor
5,000	State Department of Human Services
60,000	User Fees
40,000	NOICC Supplementary Funds
$ 185,000	Total

Annual User Fee: ($840-$1000 annually per computer site; $250 per microfiche set)

Estimated FY 83 Operating Budget: $160,000

(Received $99,000 for FY 1983 from State's General Fund)

Evaluation: In 1979, the Center for Career Education at the University of Maine conducted a user impact study to evaluate the systems' effectiveness and its impact on career decision-making. From 1979 through 1981, each user site has been required to maintain a user log.

During 1981, the Research Unit within the Department of Educational and Cultural Services conducted a programmatic impact study of the system on guidance services within a variety of user site agencies. At the present, the CIDS staff plans to continue a modified user's log that will be maintained at each site.

Also, during 1982, the Maine CIDS contracted with the State Department of Education Evaluation Unit to conduct a programmatic assessment in 25 selected sites. The evaluation team interviewed users, counselors, administrators, and parents. The evaluation has been completed and is available.

11. MARYLAND

Grant Period: 12/1/79 - 6/30/83

Federal Obligation: Developmental Grant-$320,250;
Total Federal Obligation- $320,250

Operating Agency: Baltimore New Directions for Women, Inc.
(Private/Non-Profit)

Contact: Ms. Eleanor Meyer, Director
Maryland Career Information Delivery System
Baltimore New Directions for Women
12 East 25th Street
Baltimore, Maryland 21218
(301) 889-6495

Staff: 6

Software: COIN (Maryland CIDS - INFORM)

Delivery Modes: On-line computer (Planned for FY 83)
Microfiche

Files Available: 6 National Files - 1. Occupations
2. College majors
3. Post-secondary schools
4. Apprenticeships
5. Military
6. School subjects

4 State Files - 1. Occupations
2. Proprietary schools
3. Financial Aid
4. Vocational Education
5. College-4 year and 2 year

Files Planned: Apprenticeship (State-Specific)

Institutional User Sites: 600
Computer sites: 0
Microfiche sites: 600

FY 1982 Revenue Sources:

$	150,000	NOICC/CIDS
	136,000	State Department of Education
$	286,000	Total

Annual User Fee: No User Fee

Estimated FY 83 Operating Budget: Unknown

Evaluation: Two evaluation instruments have been used to monitor INFORM on an on-going basis during FY 1982. A questionnaire for the user, and a questionnaire to obtain feedback from the staff at the user site have been used extensively.

12. NEBRASKA

Grant Period: 12/1/79 - 9/30/82

Federal Obligation: Developmental Grant-$209,750;
Total Federal Obligation-$209,750

Operating Agency: Research Coordinating Unit (RCU)

Contact: Dr. Elton Mandenhall, Director
Nebraska Career Information Delivery System
East 511 Nebraska Hall
Jniversity of Nebraska
Lincoln, Nebraska 68588
(402) 472-3337

Staff: 8

Software: CIS
Career Prospects

Delivery Modes: On-line computer, needlesort, microcomputer

Files Available: State information primarily but includes appropriate national information
- Quest
- Occupational descriptions
- Preparation
- Bibliography
- Post-secondary schools
- Programs

National information
- National school file

Files Planned: Planners
Employers

Institutional User Sites: 294 (Multiple delivery modes at several sites)
Computer Sites: 11
Needlesort: 294
Microcomputer sites: 12

(Some sites have multiple delivery modes. 30 sites have both microcomputer and needlesort and 8 sites have needlesort and computer.)

FY 1982 Revenue Sources:

$ 29,920	Vocational Education
40,175	CETA
84,000	CIDS carry-over
40,000	User Fees
$ 194,095	Total

Annual User Fee: ($325 per needlesort set; $300 per micro-sort set; no fee for computer delivery; $425 per combination needlesort and micro disk; $500 for Career Prospects (microcomputer package)

Estimated FY 83 Operating Budget: $240,000

Evaluation: User surveys and questionnaire have been used since the inception of the system for internal monitoring purposes. Also third party evaluations have been conducted. For example, there was a third party evaluation of regional State CIDS, including Nebraska, conducted by the SOICC Director from North Dakota. Also, there was a third-party evaluation in the form of a doctoral dissertation.

13. NEW YORK

Grant Period: 12/1/79 - 9/30/82

Federal Obligation: Developmental Grant-$293,500;
Total Federal Obligation-$293,500

Operating Agency: SOICC

Contact: Mr. Albert Ross, Director
New York SOICC
State Department of Labor
Labor Department Building #12
State Campus - Room 559A
Albany, New York 12240
(518) 457-2930

Staff: 4

Software: CHOICES, GIS III

Delivery Modes: On-line computer

Files Available: 6 GIS National Files
New York Occupations
New York Vocational-Technical Schools
New York Financial Aid

Files Planned: New York Schools

Institutional User Sites: GIS software is sent out of 13 BOCES Centers serving 300 terminal sites. There are 6 CHOICES sites.

FY 1982 Revenue Sources:

$ 135,000	CETA
68,875	NOICC carry-over
$ 203,875	Total

Annual User Fee: 0

Estimated FY 83 Operating Budget: $113,000

Evaluation: A formal evaluation of the pilot was conducted. The evaluation report will be sent to NOICC upon completion.

14. NORTH CAROLINA

Grant Period: 12/1/79 - 9/30/82

Federal Obligation: Developmental Grant-$292,500; Supplement-$40,000;
Total Federal Obligation-$332,500

Operating Agency: SOICC

Contact: Mrs. Joyce Kennison, SOICC Director
North Carolina Department of Administration
112 W. Lane Street
218 Howard Building
Raleigh, North Carolina 27611
(919) 733-6700

Staff: 7

Software: CHOICES

Delivery Modes: On-line computer
Hard-copy delivery
(Microcomputer planned for FY 83)

Files Available: National Occupations with North Carolina Specific Information (Wage, salary, and employment outlook information specific to State)
NC Schools
NC Education and Training Programs

Files Planned: Job Bank

Institutional User Sites: 71

FY 1982 Revenue Sources:

$ 40,000	NOICC Supplementary Funds
42,000	CETA
240,000	User Fees
$ 322,000	Total

Annual User Fee: $2,400 per terminal

Estimated FY 83 Operating Budget: Unknown

(A request for State legislative funding for FY 84 is being submitted.)

Evaluation: An internal evaluation is currently underway.

15. SOUTH CAROLINA

Grant Period: 12/1/79 - 9/30/82

Federal Obligation: Developmental Grant-$283,850; Supplement-$40,000; Total Obligation-$323,850

Operating Agency: SOICC

Contact: Mrs. Carol Kososki, Director
South Carolina Occupational Information Coordinating Committee
1550 Gadsden Street
Columbia, South Carolina 29202
(803) 758-3165

Staff: 5

Software: COIN (South Carolina CIDS known as SCOIS)

Delivery Modes: On-line computer
Microfiche

Files Available: Files contain both State and National Information -

Standard COIN files:	Occupations
	College Majors
	Colleges
	Apprenticeship
	Military
	School Subjects
SCOIS files:	Job Bank
	Proprietary Schools
	Graduate Schools
	Educational Newsline

Files Planned: Economic Newsline
Teacher Placement
Technical Education Newsline

Institutional User Sites: 259
Computer sites: 227
Microfiche sites: 32

FY 1982 Revenue Sources:

$ 84,605	SOICC BAG
40,000	NOICC Supplementary
35,000	CETA
98,020	User Fees
$ 257,625	Total

Annual User Fee: $630 annually per site if site uses SCOIS-owned computer:
$315 annually per site if it uses its own computer
$550 per microfiche set for new subscriptions
$425 per microfiche set for renewals

Estimated FY 83 Operating Budget: $288,140

(Received $99,700 from the State Legislature for FY 83.)

Evaluation: Evaluation is conducted on an on-going basis by obtaining feedback from clients and counselors. A computer monitoring package is used to monitor system useage (SCOIS Utilization Report).

SECTION IV

State CIDS that were awarded one year developmental grants by NOICC in 1981

1. Idaho
2. Montana
3. New Jersey
4. Vermont
5. Virginia
6. Wyoming

1. IDAHO

Grant Period: 10/1/81 - 9/30/82

Federal Obligation: $78,531

Operating Agency: SOICC

Contact: Mr. Chuck Mollerup
Idaho Occupational Information
Coordinating Committee
Len B. Jordan Building - Room #301
650 W. State Street
Boise, Idaho 83720
(208) 334-3705

Staff: 5

Software: CIS

Delivery Modes: On-line computer, needlesort, microcomputer

Files Available: Occupations
Clusters
Attributes
Preparation
Bibliography
Programs of Study and Training
Schools
Financial Aid

Files Planned: Occupational Data System

Institutional User Sites: 135
Computer sites: 12
Needlesort: 121
Microquest sites: 2

FY 82 Revenue Sources:

$ 78,531	NOICC
87,367	SOICC
30,000	CETA
43,106	PIC
239,004	Total

Annual User Fee: 1982-83 Fee Schedule for computerized services ranges from $360 to $3840 depending on the number of hours of systems usage and whether the system is leased for nine (9) or twelve (12) months. Needlesort fees are $335 per year.

Estimated FY 83 Operating Budget: Unknown

Evaluation: Instruments and guidelines are being developed for future internal monitoring purposes.

2. MONTANA

Grant Period: 5/26/81 - 9/30/82

Federal Obligation: $97,000

Operating Agency: Montana Learning Services (MLS) (Located in the Office of the Commissioner of Higher Education)

Contact: Ms. Summyah Bilal, Director
Montana Learning Services
Office of the Commissioner of
Higher Education
33 South Last Chance Gulch
Helena, Montana 59620
(406) 449-4772

Staff: 4

Software: CIS

Delivery Modes: On-line computer
Needlesort
Microcomputer (planned for FY 83)

Files available: Occupations (both National and State Information)
Montana Educational Programs and Schools
Quest
Financial Aid

Files Planned: National Schools
Employers
Planners

Insitutional User Sites: 31
Computer sites: 21
Needlesort sites: 10

FY 82 Revenue Sources:

$ 26,500	Vocational Education
20,900	CETA
7,500	Higher Education
3,000	Talent Search
97,000	NOICC/CIDS
18,700	User Fee
$ 173,600	Total

Annual User Fee: $260 per needlesort deck; $2.25 per user for the computer and microcomputer systems)

Estimated FY 83 Operating Budget: Unknown

Evaluation: A preliminary evaluation was conducted in April, 1981, including 35 sites. A copy of this evaluation is on file at NOICC. A Stat-Pac is used for internal monitoring purposes (computer version only). Questionnaires will be sent to all user sites in FY 82. User sites conduct their own evaluations periodically.

3. NEW JERSEY

Grant Period: 5/26/81 - 5/31/83

Federal Obligation: $150,000

Operating Agency: SOICC

Contact: Mr. Paul Suda
New Jersey Career Information
Delivery System
Department of Labor and Industry
Division of Planning and Research
Post Office Box CN056
Trenton, New Jersey 08625
(609) 292-2626

Staff: 0

Software: MOIS

Delivery Modes: (Planned) On-line computer, hard copy, hotline

Files Available: 0

Files Planned: Occupations
Vocational-Technical Schools
Colleges and Universities
Day Care Facilities
Employer/Industry
Armed Services

Institutional User Sites: 0
Projected sites: 120 by end of first year

FY 82 Revenue Sources:

$ 56,000	CETA Prime Sponsor
40,000	CETA, Government's Grant
25,000	Vocational Education
5,000	Vocational Rehabilitation
13,000	SOICC
139,000	Total

Note: The NJCIDS is currently in the initial developmental phase

4. VERMONT

Grant Period: 5/26/81 - 3/30/83

Federal Obligation: $73,022

Operating Agency: SOICC

Contact: Dr. Victor P. Racicot, Director
Vermont Occupational Information
Coordinating Committee
Post Office Box 488
Montpelier, Vermont 05602
(802) 229-0311

Staff: 0 (2 positions have been approved but cannot be filled because of the current hiring freeze)

Software: DISCOVER

Delivery Modes: On-line computer

Files Available: Job Bank Search
8 DISCOVER Files: Occupations
4-year colleges
2-year colleges
Technical/Specialized Schools
Military Training Programs
Graduate Schools
Apprenticeships
Jobs

Files Planned: Occupations
Planning information module for economic development

Institutional User Sites: 18

FY 82 Revenue Sources:

$ 73,022	NOICC/CIDS
3,508	DET/Job Service
19,280	Department of Education
$ 95,810	Total

Annual User Fee: -0-

Estimated FY 83 Operating Budget: Unknown

Evaluation: An external evaluation will be conducted of pilot phase by Department of Education. An internal, on-going evaluation is currently being conducted by VOICC.

5. VIRGINIA

Grant Period: 5/26/81 - 12/31/82

Federal Obligation: $150,000

Operating Agency: Virginia Polytechnic Institute and State University

Contact: Mr. Jeffrey Windom, SOICC Director
Virginia Occupational Information Coordinating Committee
Post Office Box 6Q
Richmond, Virginia 23216
(804) 225-2735

Staff: 13

Software: MOIS

Delivery Modes: On-line/computer (planned for FY 84)
Microcomputer (planned for FY 83)
Microfiche, toll-free hot-line, directories,
Overhead transparencies

Files Available: (State-specific information but includes national outlook and salary/wage information)
Occupations
Apprenticeships
Military
Post-Secondary Schools
Financial Aid
Post Secondary Programs
Secondary School Subjects
Local Vocational Education

Files Planned: 0

Institutional user sites: 624
(1400 microfiche sets have been distributed)

(Virginia CIDS also disseminates career information via a toll-free hotline and printed directories on topics such as apprenticeships and licensure. This past year, the Virginia CIDS staff distributed 200 sets of transparencies across the State.)

FY 82 Revenue Sources:

$	121,500	CETA
	125,436	Vocational Education
	150,000	NOICC/CIDS
$	396,936	Total

Annual User Fee: 0

Estimated FY 83 Operating Budget: Unknown

Evaluation: A graduate student is developing an evaluation for her doctoral dissertation.

6. WYOMING

Grant Period: 5/26/81 - 9/30/82

Federal Obligation: $70,000;

Operating Agency: University of Wyoming

Contact: Karen Scott, Director
Wyoming Career Information System
University of Wyoming
P.O. Box 3808
University Station
Laramie, Wyoming 82071
(307) 766-6189

Staff: 4

Software: CIS

Delivery Modes: On-line computer, microcomputer, needlesort

Files Available: Occupations
Preparation
Quest
Programs of Studies and Training Files
School Topics

Files Planned: Planners
Rocky Mountain Schools
Handicapped

Institutional User Sites: 54
On-line computer: 16
Needlesort: 17
Books: 2
Microcomputer: 18
Combination: 2

FY 82 Revenue Sources:

$ 41,760 (in-kind)	Wyoming Agriculture Network
38,500 (in-kind)	University of Wyoming
11,040 (in-kind)	University of Wyoming
7,300 (in-kind)	University of Wyoming (graduate assistant)
3,700	SOICC
25,000	User Fees
70,000	NOICC/CIDS
197,300	Total ($98,700-Cash; $98,600-in-kind)

Annual User Fee: Computerized: Cyber (University Computer) $800
Agnet (Agricultural Network Computer)
$500 plus line charges
Microcomputer: $500
Needlesort: $325
Information Books: $125

Estimated FY 83 Operating Budget: Unknown

Evaluation: No current plans

SECTION V

State CIDS that were funded by U.S. Department of Labor in the early and mid 1970's.

1. Alabama
2. Colorado
3. Massachusetts
4. Michigan
5. Minnesota
6. Ohio
7. Oregon
8. Washington
9. Wisconsin

1. ALABAMA

Federal Grant: U.S. DOL

Grant Period: 1975-79

Operating Agency: SOICC

Contact: Dr. Mary Louise Simms
Alabama Occupational Information
Coordinating Committee
First Southern Towers, Suite 402
1100 Commerce Street
Montgomery, Alabama 36130
(205) 832-5737

Staff: 3

Software: GIS III

Delivery Modes: On-line computer
State Occupational Outlook Handbook (Hard Copy)

Files Available: Standard National GIS Files
State Occupations
State Education and Training
State Financial Aid
Job Bank

Files Planned: -0-

Institutional User Sites: 115

FY 1982 Revenue Sources: CETA - $249,000

Annual User Fee: Users are required to furnish terminal paper and local phone, but no user fee is charged.

Estimated FY83 Operating Budget: $275,000

Evaluation: CIDS utilizes statistical package on the computer and user logs at the individual sites.

2. COLORADO

Federal Grant: U.S. DOL

Grant Period: 1975 - 1979

Operating Agency: State Board of Education

Contact: Mr. Don Rea, Director
Colorado Career Information System
830 S. Lincoln
Longmont, Colorado 80501
(303) 666-9107

Staff: 5

Software: CIS

Delivery Modes: On-line computer
Needlesort
Hard copy
Microcomputer

Files Available: State Information
Occupations
Employers
Apprenticeships
College Majors
Educational Programs
Job Search Skills
Financial Aid

Files Planned: National Schools

Institutional user sites: 200

Needlesort: 63
Terminals: 66
Microcomputer: 18

FY 1982 Revenue Sources: State Department of Education provides some funds. Dependent primarily on user fees.

Annual User Fees:

Computer Version: Consortium Fee - $1650 per year per full-time equivalent terminal
Computer Time-Share - $3500 per year per full-time equivalent terminal
Connect Fee - $60 One-time fee

Needlesort Version: $500 per year rental fee
$135 extra cardsort deck
$305 for Vol. I and II to libraries only

Microcomputer Version: $800/year

Estimated FY 1983 Operating Budget: Unknown

Evaluation: Utililizes stat-pac and process evaluation techniques.

3. MASSACHUSETTS

Federal Grant: U.S. DOL

Grant Period: 1975-79

The Massachusetts CIDS is not operational at this time.

4. MICHIGAN

Federal Grant: U.S. DOL

Grant Period: 1975-79

Operating Agency: State Department of Education

Contact: Mr. Joe McGarvey, MOIS Director
Michigan OIS
Michigan Department of Education
Post Office Box 30009
Lansing, Michigan 48909
(517) 373-0815

Staff: 12

Software: MOIS (Michigan Occupational Information System)

Delivery Modes: Microcomputer (Includes Hard Disc Technology)
On-line Computer
Microfiche

Files Available: State Information -
Occupations
Post-Secondary Programs
Post-Secondary Schools
School Subjects
Apprenticeship
Military
Financial Aid
Secondary Vocational Education
Adult Education

Files Planned: -0-

Institutional User Sites: 2,157

FY 82 Revenue Source: Vocational Education $305,600
CETA Discretionary Fund $209,000

Annual User Fee: -0-

Estimated FY 1983 Operating Budget: $576,665

Evaluation: Process and external evaluation studies are available.

6. OHIO

Federal Grant: U.S. DOL

Grant Period: 1976-80

Operating Agency: Ohio Department of Education

Contact: Mrs. Karen Shylo, Assistant Director
Vocational Education
65 S. Front Street, Room 901
Columbus, Ohio 43215
(614) 466-5718

Staff: 4

Software: GIS III

Delivery Modes: On-line computer
Needlesort
Hard copy

Files Available: Standard National GIS Files
State Occupations
State Proprietary Schools
State Financial Aid
Regionalized Economic Data
Career Resources
Health Careers
World of Work

Files Planned: 0

Institutional User Sites: 300 (approximate)

FY 82 Revenue Sources: CETA - Approximately $305,000

Annual User Fee: $3600 per site

Estimated FY 83 Operating Budget: $368,868

5. MINNESOTA

Federal Grant: U.S. DOL

Grant Period: 1975-79

Operating Agency: State Department of Education
Minnesota Educational Computer Consortium

Contact: Dr. G. Dean Miller
Minnesota Career Information System
State Department of Education
Capitol Square Building
550 Cedar Street
St. Paul, Minn. 55101
(612) 296-4080

Staff: 1

Software: CIS

Delivery Modes: On-line computer
Microcomputer

Files Available: Occupational Descriptions
Occupational Preparation
Occupational Cluster Descriptions
Occupational Cluster Preparation
Programs of Study and Training
Schools

Files Planned: 0

Institutional User Sites: 317

FY 1982 Revenue Sources: State Department of Education - $100,000
MECC

Annual User Fee: $1200/terminal/year

FY 1983 Estimated Operating Budget: Unknown

7. OREGON

Federal Grant: U.S. DOL

Grant Period: 1969-72 (Research and Development)
1971-74 (Implementation)

Operating Agency: University of Oregon

Contact: Dr. Bruce McKinley, Director
Oregon Career Information System
247 Hendricks Hall
University of Oregon
Eugene, Oregon 97403
(503) 686-3872

Staff: 11 3/4

Software: CIS

Delivery Modes: On-line computer
Needlesort
Hardcopy
Microcomputer

Files Available: Occupational Descriptions
Preparation
Visit
Clubs
Bibliography
Occupational Attributes
Apprenticeship
High School Subjects
Programs of Study and Training
Schools
Financial Aid
Job Search

Files Planned: National School File

Institutional User Sites: 500 (Some sites use multiple delivery modes)
On-line: 275
Needlesort: 350
Combination: 75
Microcomputer: 20

FY 1982 Revenue Sources: State Department of Educaton
University of Oregon

Annual User Fee: $1.10/user plus delivery system cost

Estimated FY 1983 Operating Budget: $384,707

8. WASHINGTON

Federal Grant: U.S. DOL

Grant Period: 1975-79

Operating Agency: WOIS (Washington Occupational Information System)
(Private/Non-Profit)

Contact: Mr. Elton W. Chase, Director
WOIS
Evergreen State College - Sem. Bldg.
Olympia, Washington 98505
(206) 866-6740

Staff: 7

Software: ALPHA-WOIS

Delivery Modes: On-line computer
Needlesort
Microfiche
Microcomputer
Hard copy

Files Available: State Occupations
State Educational Programs
State Schools
Terminology

Files Planned: Employer
Industry

Institutional User Sites: 300 (Sites have multiple delivery modes)

FY 1982 Revenue Sources: No State or Federal funding/user fees and project monies only

Annual User Fee: $.75 - $.85 per student enrolled within institution per computer usage/$.75 per user for needlesort manual/This is based on a site with 500 FTEs and does not include telephone line costs, computer time of materials. This can vary from $400 for a small institutional user to $3600 for a large use. Computer costs are additional.

Estimated FY 1983 Operating Budget: $269,000

Evaluation: Stat-pac is available on computer for monitoring purposes. Questionnaires are also used.

9. WISCONSIN

Federal Grant: U.S. DOL

Grant Period: 1975-79

Operating Agency: WCIS

Contact: Dr. Roger Lambert, Director
Wisconsin Career Information Delivery System
Educational Sciences Building, Room 952
Madison, Wisconsin 53706
(608) 263-2704

Staff: 8.8

Software: Vocational Studies Center Software

Delivery Modes: On-line computer
Microcomputer
Hardcopy

Files Available: Includes both National and State Information
SOC-Based Occupations
CIP-Based Programs
Vocational Schools
College File
Glossary
Professional Career Resources File

Files Planned: -0-

Institutional User Sites: 250 on-line
100 microcomputer
300 hard copy

FY 1982 Revenue Sources: Annual Operating Budget: $350,000 - 2/3 user fee, 1/3 agency contribution, Agency sources: State Board of Vocational Education, University of Wisconsin, Governor's Employment and Training, Department of Industry, Labor, and Human Relations (ES).

Annual User Fee: $290-set of materials + $.50 per student for development cost + $95-mainframe + $50-microcomputer

Estimated FY 83 Operating Budget: $350,000

Evaluation: Evaluation studies have been completed and are available.

SECTION VI

PROFILES of STATE CIDS DEVELOPED without FEDERAL DEVELOPMENTAL GRANTS

1. Arkansas
2. District of Columbia
3. Illinois
4. Indiana
5. New Mexico
6. North Dakota
7. Oklahoma
8. South Dakota
9. Texas

1. ARKANSAS

Arkansas is in the process of developing a computer-based Statewide CIDS without the assistance of a Federal grant from NOICC. Arkansas has adopted two on-going State systems: the Maine Planning Information System and the Michigan Occupational Information System (MOIS) which will comprise the Arkansas Occupational and Educational Information System (AOEIS). MOIS is serving as the prototype for the development of the system to deliver career information.

Operating Agency: SOICC

Contact: Mr. Coy Cozart, Director
Arkansas Occupational Information
Coordinating Committee
Post Office Box 2981
Little Rock, Arkansas 72203
(501) 371-3551

Staff: 4 positions

Software: MOIS

Files in Development: Occupations
Programs
Apprenticeships
Military
Schools
Financial Aid
School Subjects

Future Files: National Educational File

Delivery Modes: Microfiche - Fall, 1982
Microcomputer - Fall, 1982
Hardcopy - Fall, 1982
On-line computer (within next two years)

Institutional User Sites: Planning for 300 sites, Fall 1982

FY 1982 Revenue Sources: $150,000 - CETA

Annual User Fee: Initial distribution of 300 copies microfiche of AOEIS will be made on a complementary basis and will be limited to one complete version per institution as funds allow. Additional sets will be provided on a nominal cost-recovery basis. Will assess $35 fee per set after initial distribution.

Target Date for Implementation: Fall 1982

2. DISTRICT of COLUMBIA

The SOICC in cooperation with the District of Columbia Public School System is developing a CIDS to serve the residents of the District.

Operating Agency: DCOICC
District of Columbia Public Schools

Contact: Mr. Louis Chaney, Coordinator of Research
District of Columbia CIDS
500 C. Street N.W., Suite 621
Washington, D.C. 20001
(202) 724-3965

Staff: 7

Software: GIS

Delivery Modes: On-line computer

Files Available: Standard National GIS Files
District of Columbia Occupations (will be on-line, Sept. 1982)
Industry/Employer (will be on-line, Fall, 1982)

Files Planned: Planner's
Job Bank

Operational User Sites: 18

FY 1982 Revenue Sources: D.C. Department of Human Services
DCOICC Signatory Member Agencies
D.C. Department of Employment Services
D.C. Public Schools
Board of Education
Employment Training Services Advisory Council

User Fee: Considering the assessment of a user fee

Estimated FY 1983 Operating Budget: Unknown

3. ILLINOIS

HORIZONS, the Statewide CIDS, uses multiple software packages and modes to deliver career information to users. The system has been in operation approximately a year.

Operating Agency: SOICC

Contact: Ms. Diane Kjos, Director
Horizons
217 East Monroe, Suite 203
Springfield, Illinois 62706
(217) 785-0789

Staff: 12

Software: DISCOVER
CIS
Microquest

Delivery Modes: On-line computer
Needlesort
Microcomputer

Files Available: (Both National and State Information where appropriate)

- Current Employment
- Preparation
- Programs of Study
- Four-Year Schools
- Two-Year Schools
- Occupational Descriptions
- Graduate Schools
- Military
- Wages
- Outlook
- Licensing
- Bibligography
- Military
- Wages
- Outlook
- Licensing

Files Planned:

- Substate Files
- Job Bank
- Apprenticeship Program
- Vocational/Technical Schools
- Program Offerings
- Employer File

Institutional User Sites: 67

4. INDIANA

The State CIDS has been in operation for approximately a year. Although TEDS is the operating agency, the SOICC is involved with respect to coordination and planning.

Operating Agency: Training and Educational Data Service (TEDS)
(Private/Not-for-Profit)

Contact: Dr. Sue Horowitz, Director
TEDS
150 W. Market Street
Suite 503-ISTA Bldg.
Indianapolis, IN 46204
(317) 232-1906

Staff: 4

Software: GIS III

Delivery Modes: On-line computer
Telephone hot-line
(Micro-computer is under consideration)

Files Available: Indiana Occupations
Indiana Post Secondary Educational Institutions
Indiana Financial Aid
Indiana Proprietary Schools
GIS Standard National Files

Institutional User Sites: 171
23 - telephone customers
148 - on-line computer

FY 1982 Revenue Sources: CETA

Annual User Fee: $1600 per site (direct terminal)
$150 minimal fee per site for hot-line

FY 1983 Estimated Operating Budget: $400,000

5. NEW MEXICO

A State CIDS containing State occupational data utilizing GIS III as the software operating out of the University of New Mexico.

Operating Agency: University of New Mexico

Contact: Dr. Gregory Bowes,
Associate Professor
Secondary and Adult Education
University of Mexico
Albuquerque, New Mexico 87103
(505) 277-6260

Staff: 2

Software: GIS III

Delivery Mode: On-line computer

Files Available: Standard National GIS Files
New Mexico Occupational Information
New Mexico Vocational Education
New Mexico Financial Aid

Institutional User Sites: 7

FY 1982 Revenue Sources: State Department of Education

Annual User Fee:-0-

Estimated FY 1983 Operating Budget: Unknown

6. NORTH DAKOTA

State CIDS is operated by a private/for-profit organization and utilizes CIS as the software.

Operating Agency: Pathways (Private/Profit)

Contact: Mr. Dan Marrs, SOICC Director
North Dakota Occupational Information
Coordinating Committee
Pinehurst Building - Post Office Box 1537
Bismarck, North Dakota 58505
(701) 224-2733

Staff: 2 (Sub-contracts out information development activities)

Software: CIS

Delivery Mode: Needlesort
Microcomputer

Files Available: North Dakota Occupational Information
North Dakota Schools
Preparation
Bibliography
Financial Aid
Programs of Studies and Training Files

Institutional Users Sites: 125

FY82 Revenue Sources: User fees

Annual User Fee: $1200/site

Estimated FY 1983 Operating Budget: $130,000

7. OKLAHOMA

The CIDS uses two software packages and multiple delivery modes to deliver career information throughout the State.

Operating Agencies: Department of Economic and Community Affairs - GIS III
State Department of Vocational and Technical Education - VIEW

Contact: Dr. J. B. Morton, Executive Director
Oklahoma Occupational Information Coordinating Committee
School of Occupational and Adult Education
Oklahoma State University
1515 West 6th Street
Stillwater, Oklahoma 74074
(405) 377-2000 - Ext. 311

VIEW: Mr. Les Miller, State Coordinator
Oklahoma VIEW
1515 West 6th Street
Stillwater, Oklahoma 74074
(405)-377-2000 - Ext. 312

GIS III: Ms. Gloria Weatherall
Department of Economic and Community Affairs
4545 N. Lincoln Blvd.
Oklahoma City, Oklahoma 73105
(405) 528-8200

Staff: VIEW - 4 1/2
GIS III - 2

Software: VIEW and GIS III

Delivery Modes: Needlesort (VIEW)
Microfiche (VIEW)
Hardcopy (VIEW)
On-line computer (GIS III)
(Microprocessor will be used)

Files Available: GIS National Standard Files
Oklahoma Occupations
Oklahoma Vocational-Technical File
Oklahoma Financial Aid

Institutional Users Sites: 900-1000 sites (multiple delivery modes)
32 on-line sites

Annual User Fee: GIS III - $1600 - 1982; $2500 - 1983
VIEW - Fee based on partial cost/recovery

8. SOUTH DAKOTA

CIDS uses VIEW to deliver career information to users througout State.

Operating Agency: SOICC/State Department of Elementary and Secondary Education

Contact: Mr. Carl Ritenour, Director
South Dakota VIEW
108 East Missouri
Pierre, South Dakota 57501
(605) 773-3447

Staff: 2

Software: VIEW

Delivery Modes: Microcomputer
Needlesort
Hardcopy
Microfiche

Files Available: South Dakota Occupations
South Dakota Apprenticeships
South Dakota Post-Secondary Institutions
Military
Financial Aid

Institutional User Sites: In process of gathering data with respect to number of sites.

FY 82 Revenue Sources: SOICC
State Department of Vocational Education

Annual User Fees: User fees determined on cost/recovery basis

9. TEXAS

Texas has adopted DISCOVER as the software for its State system and is waiting upon computer acquisition to initiate implementation.

Operating Agency: SOICC

Contact: Mr. Edmund Ney, Director
Texas Occupational Information
Coordinating Committee
Texas Employment Commission Building
15th and Congress, Room 526T
Austin, Texas 78778
(512) 397-4970

Staff: 3

Software: DISCOVER

Delivery Modes: On-line computer

Files Available: State Occupations
State Education/Training
DISCOVER Standard Files

Institutional User Sites: 0

FY 82 Revenue Sources of Revenue: SOICC Basic Assistance Grant

Annual User Fee: -0-

Estimated FY 83 Operating Budget: Unknown

SECTION VII

The following descriptions have been prepared by the vendor and/or developer. The descriptions have been included for the information and convenience of the readers of this document. NOICC does not advocate the use of any system(s):

- CAREER PROSPECTS
- CAREER SCAN IV
  COLLEGE SCAN IV
- CHOICES
- COIN
- DELPHI
- DISCOVER I
  DISCOVER II
- GIS (Guidance Information System)
- KANSAS CAREERS
- MOIS (Michigan Occupational Information System)
- National CIS (National Career Information System)
- VIEW (Vital Information for Education and Work)

CAREER PROSPECTS

Career Prospects is a software package that has been developed by the Nebraska Career Information System (NCIS) to operate on the Apple II and the Radio Shack TRS-80 Model III with 48K memories.

Career Prospects incorporate Micro-QUEST, the popular search strategy NCIS developed last year for use with the Apple II. With Micro-QUEST, students can select ooccupations related to their personal interests, talents, and abilities.

Career Prospects provides students with descriptions for any of 541 occupations that may interest them. Each description contains the title, definition, and identifying number of the occupation as listed in the Dictionary of Occupational Titles. In addition, Career Prospects groups the occupations under Standard Occupational Classification numbers. This makes Career Prospects compatible with the new 1982-83 edition of the Occupational Outlook Handbbok, which is organized under the Standard Occupational Classification system.

Each description in Career Prospects also provides the specific functions a person employed in the occupation performs, the wage ranges for beginning and experienced workers, and the national and State employment outlook for the occupation.

But Career Prospects offers more than occupational information. Career Prospects also offers students brief descriptions of 117 educational programs designed to prepare people for particular occupations.

Each program description in Career Prospects explains what skills a program of study usually teaches. Career Prospects also lists the courses a student typically takes in the program and refers students to related programs that may be of interest. Specific occupations for which a program prepares students are listed for each program, too.

Finally, Career Prospects refers students to 110 Nebraskan and 27 Midwestern schools, colleges, and universities that offer these educational programs. Career Prospects notes whether these schools offer short-term, associate degree, bachelor degree, or graduate programs in a given program area.

Besides the extensive information this software package offers students, counselors will appreciate the fact that Career Prospects is self-explanatory. With Career Prospects, counselors are free to counsel while Career Prospects refers students to the information.

Counselors also will appreciate the fact that Career Prospects links directly with the Dictionary of Occupational Titles and the Standard Occupational Classification taxonomies, basic sources for additional occupational information.

For further information please contact:

Nebraska Career Information System
511 Nebraska Hall
University of Nebraska-Lincoln
Lincoln, Nebraska 68588-0553
(402) 472-3337

COLLEGE SCAN IV and CAREER SCAN IV

Two Guidance Information Programs for Apple II, TRS-80, and Commodore PET Microcomputers.

The Career Scan IV and the College Scan IV programs are two comprehensive low-cost guidance information packages for direct student use which are capable of providing extensive information and assistance to the student in exploring careers and selecting an appropriate college or university.

Career Scan IV is a comprehensive career search and exploration package accessing more than 700 occupations and directly referencing major federal occupational publications including the Occupational Outlook Handbook (OOH) and the Guide to Occupational Exploration (GOE). It was developed by a team of educators, researchers, counselors, and programmers with extensive experience in career information development and computer applications.

It is based on the latest and most usable guidance classification system available--the Standard Occupational Classification (SOC) which clusters the more than 14,000 entries in the Dictionary of Occupational Titles into 632 SOC occupational titles. To search this vast amount of information the program matches the profiles of occupations against interests and abilities entered by the student.

College Scan IV covers over 1200 colleges nationwide and uses over 450 variables to search these colleges. Searches are based on student responses to a variety of questions relating to the variable. Source data on the college comes from the National Center for Educational Statistics and the College Admissions Data Handbook which is the most up-to-date comprehensive source of college and university information available.

Both programs are totally self-instructional, they do not require a person to assist during use, thus freeing the counselor for other work. The programs continually feed information back to the user and ask the student to verify answers. Upon completion of a search, which usually takes 15 minutes, information is provided on each occupation or college which matches the student's profile. For additional occupational information the student is referenced directly to the pages in one or more federal occupational publications and for additional college information the student is referenced to the College Admissions Data Handbook published by Orchard House or they may use other reference books which career counseling centers have available.

Upon completion of a search the student is given the opportunity to redo the search with the option to change answers. When the student wishes to stop, the computer is instructed to quit, and will then provide summary information and send selected information to a printer where one is available. It will also provide the student with suggestions on activities to pursue as a result of the search results.

Simple to operate, comprehensive in scope, thorough in every detail, and, best of all, low in cost,, describe the Career Scan IV and College Scan IV programs. Until now programs of this magnitude and quality would require a large computer and cost several thousand dollars to maintain. Your Apple II, TRS-80 Model III or Commondore PET microcomputers can utilize these programs.

For further information please contact:

National Education Software Services
1879 Locust Drive
Verona, Wisconsin 53593

CHOICES

CHOICES was originally developed by Employment and Immigration Canada (the equivalent of the U.S. Department of Labor). As a federal development project, it was designed to run on mainframe computers for use with adults. The computer program was adopted by Florida, North Carolina, and Kansas as their statewide systems.

In the spring of 1980, the Canadian government licensed CSG Corporation to support, enhance, and distribute CHOICES. Today, CSG is the sole vendor of CHOICES products and services. The corporation's main effort in the United States is Micro-CHOICES. This system became available on May 1, 1982. In its first two months of existence it has been purchased and is being used by junior high schools, senior high schools, colleges and universities, Education Opportunity Centers, migrant education programs, program for handicapped clients, SOICCs, and State departments of education. The following paragraphs describe the Micro-CHOICES program.

CHOICES is the most comprehensive computerized career information system available for microcomputers. It includes:

- Four different information accessing procedures,
- The most comprehensive array of search topics,
- A complete computer printout of the user's conversation,
- Computer-generated occupational descriptions, and
- In-depth counselor's and user's materials.

The four occupational information accessing routines are: EXPLORE, SPECIFIC, COMPARE, and RELATED.

Explore has over 65 independent variables that users can employ to search for occupations that are compatible with their own interests, temperaments, educational training, physical abilities, etc. To begin, the users review and complete the comprehensive Guide to determine how the variables relate to their personal characteristics. Once completed, the Guide and Profile serve to assist the users in their interactions with the computer. The Explore routine allows the users to 1) employ the variables in the order of personal preference and 2) ignore variables that are not important to them. Explore encourages users to change variables and their responses to them so that they can see how their personal profile relates to career opportunities. Explore can even tell the user why an occupation is not compatible with their self reported personal profile. The final output of the Explore routine is a list of occupations that match the user's personal profile.

The Specific routine provides detailed information about 300 occupations that are coded to the Standard Occupational Classification structure. Fourteen categories of information are provided for each occupation. In addition to a short paragraph describing the occupation, the following information is provided:

- education requirements
- work setting
- physical demand
- temperaments
- earnings
- aptitudes
- interests
- future demand
- Holland codes
- occupational field
- physical activities
- hours of work
- environmental conditions
- training requirements

A popular feature of CHOICES is the Compare routine which allows the users to see simultaneously the similarities and differences between occupations. By selecting two occupations of interest, the user can see side-by-side descriptions of them. In one visual display, the user can compare salary, training requirements, future outlook, etc., of the two occupations.

The Related routine is a unique feature provided only by CHOICES. The user can find occupations that are related to one of interest by selecting variables of importance. For example, the user can have the computer develop a list of occupations that are related to "Secondary School Teacher" based on the temperaments, aptitudes, and interests of teachers. This routine is used extensively by individuals involved in career changes. For example, the recently handicapped, displaced homemakers, unsatisfied workers, and the economically displaced worker find it quite helpful.

The program operates on Apple II and Commodore PET and TRS-80 Model III micro computers. For all three microcomputers, Micro-CHOICES runs on a micro processor, two disk drives, a video screen, and a printer. The entire system is on two standard 5 1/4 floppy disks. Once the two disks are placed in the drives, the system is operable in its entirety. The user does not need to move the disks to do anything from exploring the occupational universe to receiving a printed copy of specific information that is generated by the computer. You do not need microfiche or hard copy. In addition, users receive a printout of their complete conversation with the computer.

On the micro version of CHOICES, 300 national occupations are provided, all of which are coded to the Standard Occupational Classification System (SOC). They represent approximately 85% of the national labor force. The system has national salary and future outlook information that is based on data from the DOL Bureau of Labor Statistics. However, State salary and outlook data can be substituted for the national information.

For further information write to:

CHOICES
CSG Corporation
1101 Connecticut Avenue, N.W.
Suite 807
Washington, D.C. 20036

COIN

The Coordinated Occupational Information Network (COIN) is a complete career information system designed for easy-to-access occupational/educational data. Quickly and easily, students, teachers, counselors, parents and job assessment personnel can search and evaluate career interests and opportunities. COIN provides in-depth data on a vast resevoir of occupational/educational opportunities.

Bell & Howell offers three COIN delivery methods that can be used independently or in conjunction with each other. These are: the Microfiche System; the Microcomputer System; and the On-Line Interactive Computer. Identical data is provided for all three deliveries, with full cross-referencing capabilities.

COIN is simple to use and requires no special training to operate. It can be used individually or in a group/classroom situation. Flexibility has been built into all three delivery systems for maximum utilization.

SIX FILES OF OCCUPATIONAL AND EDUCATIONAL INFORMATION AVAILABLE FROM COIN.

COIN has gathered a myriad of occupational and educational data into six basic, in-depth files.

1. Occupational File - description of major occupations and their specialties, including education/training requirements, wages, working conditions and other related points of interest.

2. School Subject File - a broad, cross-referenced file relating particular high school subjects to individual occupations.

3. College Major File - descriptions of related post-secondary education and training programs; information on purpose, basic courses, entrance requirements, names of specific schools offering each program.

4. School File - descriptions of two and four-year public and private universities and colleges; lists all pertinent school information.

5. Apprenticeship File - descriptions of national apprenticeship training programs related to COIN occupations, how to apply, contact agencies, program content.

6. Military File - descriptions of military occupations and training opportunities related to COIN's civilian employment. Questions on branch of service, military job titles and rating numbers, and duties are all answered.

COIN OCCUPATIONAL INTEREST PROFILE -

Matching personal interest and needs, this one-page questionnaire helps the COIN-user to create a list of occupations to explore. Users respond to questions on:

- Interest
- Working Conditions
- Educational Levels
- Physical Strengths
- Physical Demands
- Salary Range

For further information, contact:

Coordinated Occupational Information
Network (COIN)
1546 Dartford Road
Maumee, Ohio 43537
(1-800-472-7009 within Ohio)
(1-800-537-7098 outside Ohio)

Dubbed DLLPHI in honor of the Oracle at DELPHI in Greece--the most famous career guidance information system of the ancient world--the Delaware Comprehensive Occupational Information System subsumes the features and applications of five distinct but related information systems:

1) A Career Information System to assist individuals and their counselors with career exploration and decision-making;

2) An Educational Information System to assist students and teachers with educational program selection;

3) An Employment Information System to assist job seekers and job developers with job search and job development;

4) An Economic Information System to assist economic developers and private sector planners with development planning; and,

5) An Occupational Information System to assist the planners and administrators of Vocational Education and employment training programs.

A total of 50 different files of information are included in the DELPHI system concept, organized into ten components of five files each:

Under the heading of career information are the Career Information Component, containing the OCCUPATIONS, CLUSTERS, VISITS, EXPERIENCES, and ORGANIZATIONS files, and the Training Information Component, containing the EMPLOYMENT, PREPARATION, APPRENTICESHIP, MILITARY and OJT files.

Under the heading of employment information are the Business Information Component, containing the TRENDS, INDUSTRIES, SITES, LICENSES, and RESOURCES files, and the Demographic Information Component, containing the QUALITY OF LIFE, STANDARD OF LIVING, LABOR SUPPLY, BUSINESS ENVIRONMENT, and PLANNING FACTORS files.

And finally, under the heading of occupational information are the Statistical Information Component, containing the MATRIX, ESARS, VEDS, HEGIS, and CETA files, and the Planning Information Component, containing the OUTLOOK, CROSSWALK, INVENTORY, DIRECTORY and ACRONYM files.

A uniform set of commands provides access to the DELPHI files, and three different operating modes have been programmed, to afford maximum ease of access to users with varying levels of "computer literacy": a conversational mode, highly "friendly" to users with little prior computer experience; a terse mode, suitable for users with more familiarity with computer use; and a concise, "instant access" mode, suitable for users already familiar with both computers in general and DELPHI in particular.

Most individual users, particularly those still in school or new to the labor market, will need information from only a small number of files in the career, educational, or employment areas, and will enter the system through the OCCUPATIONS File in the Career Information Component. Designed

for "structured search" career exploration, the OCCUPATIONS File contains detailed profiles of over 2,000 occupations. Each DELPHI occupation represents a cluster of one or more Dictionary of Occupational Titles codes, and all 12,099 DOT codes are included--grouped according to the Standard Occupational Classification, the Occupational Employment Statistics, and the Guide for Occupational Exploration taxonomies. Thus, the entire American labor market is represented in the file, organized in ways suitable for both career exploration and program planning.

The Structured Search routine automates and systematizes career exploration by allowing users to match their needs, interests and background with the characteristics and requirements of occupations. Over 20 different topics can be employed, including; Interests; Temperaments; Physical Demands; Working Conditions; Salary Ranges; Employment Outlook; Educational Requirements and Related Program Areas; Aptitude Levels; GED Levels; Specific Vocational Preparation; Worker Functions (Data/People/Things); Occupational Categories, Values, and Clusters; Industries; and Holland Codes.

Other files in the Career Information Component contain supporting and background information on the overall world of work and specific career options in Delaware. In addition, the Values Information Component, still in an early proposal stage, will provide (if implemented) a series of values clarification and career decision-making exercises, adapted from the System of Interactive Guidance and Information (SIGI) developed by the Educational Testing Service.

Once a career option has been selected, DELPHI users can move to the Educational Information Component or the National Information Component for information on instructional opportunities that support their career choice--either in Delaware or around the country. The Educational Information Component--developed in cooperation with Delaware's educational information center, INFO, and other educational agencies--contains detailed information on every educational institution, program course, aid program, and organization in the State. And the DELPHI user who is interested in going out-of-State to enroll in postsecondary education can turn to the National Information Component (adapted from Time Share Corporation's Guidance Information System) for information on two-year and four-year colleges, graduate schools, and national financial aid programs.

On the other hand, DELPHI users who have made a career choice but are interested in an immediate job search or employment training rather than further formal education may turn to the Labor Market Information Component or the Training Information Component.

For further information please contact:

Delaware Occupational Information
Coordinating Committee
Building 3, Suite 3303
Drummond Office Plaza
Newark, DE 19711
(302) 368-6908

DISCOVER I

Brief Overview

Twenty-one modules of career development content which addresses values clarification, decision-making skill development, understanding of the organization of occupations, interest measurement, searches for occupations, extensive occupational information, and sophisticated searches for four-year colleges, two-year colleges, technical schools, graduate schools, jobs, military programs, financial aids, apprenticeships, and continuing education. User may utilize entire system in a systematic treatment which requires 10-12 hours at the terminal; or he may use selected or system-prescribed modules only; or he may use only file searches and/or information files through a "direct access" approach.

Equipment

IBM 370 or 4300 series computers; 3270 cathode ray tube terminals with light pens.

Target Polupation

Secondary-level version: grades 7-12; College/Adult version: college students and general adult public.

Content

Guidance - 21 modules of material as follows:

1. Entry Module
2. Understanding My Values
3. Playing a Values Game
4. Learning to Make Decisions
5. Practicing Career Decisions
6. Learning How Occupations Can Be Grouped
7. Browsing Occupations
8. Reviewing My Interests and Strengths
9. Making a List of Occupations to Explore
10. Getting Information about Occupations
11. Narrowing My List of Occupations
12. Exploring Specific Career Plans
13. Local Jobs
14. Financial Aid
15. Apprenticeships
16. Four-Year College Information and Search
17. Community and Junior College
18. Graduate and Professional Schools
19. Technical and Specialized Schools
20. Continuing Education
21. Military

Framebuilder: an easy author language for system modification or new development

Method of Use

Direct student or client use with recommended supportive group and individual guidance activities

Estimated Hours of Material

10 to 12 hours

Data Files and Guidance Materials Used

A. Occupational date file of 470 occupational descriptions, maintained by DISCOVER Foundation
B. National four-year and two-year college data file (approximately 3500 schools total) maintained by ACT
C. National technical and specialized school data file of 11,000 schools maintained by USOE
D. Inclusion of Holland's Self-Directed Search
E. Use of Holland's classification system
F. Use of Super's Career Decision Tree
G. Use of a short form of ACT's financial needs assessment
H. Use of an instrument to measure vocational maturity
I. Use of work values developed at Educational Testing Service
J. National graduate school file

Marketing and Support

DISCOVER Foundation, Inc. (Towson, Maryland) and IBM Corporation

Cost

$1000 per month for 24 months. This payment provides a paid-up license. Additional annual charge for update tape is $1500.

For further information please contact:

DISCOVER: ACT CENTER FOR COMPUTER-BASED
GUIDANCE SYSTEMS
Shilling Park South
230 Shilling Circle
Hunt Valley, Maryland 21031
(301) 321-2515

DISCOVER II

Brief Overview

Four main sections of material: 1) Self-information, 2) Strategies for Identifying Occupations, 3) Occupational Information, and 4) Searches for Educational Institutions and Jobs. Users may use the entire system in 2-3 hours, use any one or ones of these sections in any order desired; or access any files or searches directly.

Equipment

S-100 Bus-based micro running under CP/M 2.2; TRS-80 Model II; Apple II with 8" disc drives or a hard disc; IBM personal computer with 8" disc drives or a hard disc; cathode ray tubes or color TV monitor with RCA keyboard; optional addition of videodisc player/

Target Polupation

High school and college students; general adult public

Content

Part I: Self-Information

On-line assessment of interests, abilities, and/or values with summary.

Part II: Identifying Occupations

Searching the occupational data file by scores from five interest inventories, four aptitude batteries, job characteristics, and/or majors and programs of study.

Part III: Occupational Information

Learning the ACT World-of-Work Map and using it to browse 470 occupations. Also getting national answers to 14 questions about each occupation and local answers to 6 additional questions (if local files have been built).

Part IV: Searching for Schools and Jobs

Search strategies through a national file of four-year colleges, a state file of two-year colleges, a state file of technical specialized schools, and/or a locally build employer file.

Method of Use

Direct use by client or student

Estimated Hours of Material

3 to 4 hours

Data Files and Guidance Materials Used

A. Occupational file of approximately 470 occuaptions, maintained by the DISCOVER Foundation
B. National four-year college file (approximately 1800 institutions)
C. State or regional two-year college file
D. State or regional technical-specialized school file
E. Locally-built employer file
F. Use of ACT's World-of-Work Map and UNIACT (90-item interest inventory)
G. Use of Super's sixteen values
H. Ability to relate scores from five commercially available interest inventories and four ability measures to DISCOVER occupational titles.

Marketing and Support

DISCOVER Foundation, Inc. (Towson, Maryland); Council for Advancement of Experiential Learning-C.A.E.L. (Columbia, Maryland); Chronicle Guidance Associates (Moravia, New York); On Line Computer Systems, Inc. (Germantown, Maryland).

Cost

$1500 for first machine; $800 for additional machines under the same contract; $750 per year annual maintenance on all packages.

For further information please contact:

DISCOVER: ACT CENTER FOR COMPUTER-BASED
GUIDANCE SYSTEMS
Shilling Park South
230 Shilling Circle
Hunt Valley, Maryland 21031
(301) 321-2515

THE GUIDANCE INFORMATION SYSTEM (GIS)

STATE OPTIONS PROGRAM

The Guidance Information System (GIS), a comprehensive computer-based career information system, helps to close the communication gap between the facts and those who need to know them for effective career decision-making. With GIS, a user may easily access information bases which contain accurate and up-to-date information. Those information bases include a comprehensive look at 875 occupations, career opportunities in the military, information on four-year and two-year colleges across the country, sources of financial aid, 1500 graduate schools, and cross-references to stimulate the use of other data resources. National, State, and local information can be provided through the GIS.

Time-Share Corporation's approach to the development of a Statewide career information delivery system (CIDS) is that of sharing responsibilities and capitalizing on the existing resources and data available in the State and at TSC. Several flexible approaches are provided so that each State can develop a system in a manner that is most cost effective. To date, local options have been added to the national GIS in 17 States. In some States the local GIS project has been funded by the SOICC; in others, large school districts, CETA Primes, etc., have underwritten the project. The system is found in many different settings such as: junior and senior high schools, two-and-four year colleges, vocational-rehabilitation centers, employment service offices, public libraries, prisons, and CETA centers.

GIS OPTION III

In this approach clients can take advantage of TSC's strong technical and information development capabilities. For each of the files TSC provides the technical expertise needed in the design of the files and the data collection instruments. TSC also assumes responsibility for data entry into the computer and proofing. For some files, such as the state vocational-technical school files, in which TSC has substantial experience in data collection, TSC undertakes that aspect of the project. TSC generates and distributes the completed computer tape(s) to the designated computer site(s). Updated information is provided twice per year. This procedure allows the client to place more of its resources into information development and user services, and requires less involvement in technical data processing issues.

GIS OPTIONS V

For those clients with strong data processing resources and access to staff that can be assigned to the CIDS project, TSC offers the GIS Options V approach. The GIS Options V provides for great local flexibility and total control with the following capabilities:

1. To create new files
2. To modify existing GIS Options file formats
3. To enter data locally
4. To up-date data locally
5. To run conversions for specified hardware configurations

In essence, TSC provides the contracting party with the tool to take advantage of the sophisticated programming found in the GIS, the evaluation and design work related to the existing state information file formats and the capability to create new files that will continue to meet the changing needs of the state. The client collects and updates the data and coordinates data dissemination to the user sites.

Note: In both GIS Options III and Options V the actual data developed by the client or by TSC for the local files remains the property of the contracting party. TSC cannot release that data in any form without written permission from the contracting party. TSC retains the proprietary right to the GIS national files and the operating software.

HARDWARE

The program runs on numerous mainframe computers including:

HP 2000 Access	PDP 11 (RSTS 6C)
HP 2000 C	DEC 10
HP 2000 F	DEC 20
HP 3000	VAX
HP 200	CDC Cyber Series
TSC 300	Honeywell (various models with GCOS)
Burroughs 6000/7000 Series	IBM 370 (various operating systems)
PRIME 400	UNIVAC
XEROX	

The GIS also is available on two microcomputers: the TSC DOLPHIN and the Apple III (Fall, 1982). Other micro conversions are under consideration.

GIS is presented in BASIC, BASIC+, FORTRAN IV, ASSEMBLER, and PASCAL languages. GIS takes approximately 3-5 megabytes of storage on most systems. More detailed information can be provided on an individual basis.

For further information please contact:

Ms. Linda Kobylarz, National Manager
Special Support Services
30 Tower Lane
Avon Park South
Avon, Connecticut 06001
(203) 674-1141

KANSAS CAREERS

KANSAS CAREERS contains two regular files and one experimental file. The regular files are EXPLORE and SPECIFIC. The EXPLORE routine is the search mode and contains over 100 factors divided into 13 topics. The Micro KANSAS CAREERS program can access any factor through any topic. A client can change an answer, return to a topic, add new topics, start over or continue. Interests, for example, includes negative response capability.

The factors are all correlated to the 300 Kansas occupations included in the system. About 100 of the total require high school education level or less.

The SPECIFIC file contains information on each occupation. Included are 500-character descriptions of duties and a listing of all relevant factors organized by general topic area. A client may wish to access interests only for an individual job: the microcomputer will print only those factors considered intrinsic to carrying out job duties.

The experimental file is the TRAINING IN KANSAS routine. This file produces the names of accredited Kansas institutions able to provide the education or training necessary to enter any of the 300 occupations in the Micro KANSAS CAREERS system. An expanded version should be available in the fall. It will also list persons to contact and financial aids.

For further information please contact:

Mr. Randall E. Williams
Kansas Occupational Information
Coordinating Committee
512 West Sixth
Topeka, Kansas 66603
(913) 296-5286

MICHIGAN OCCUPATIONAL INFORMATION SYSTEM (MOIS)

MOIS delivers career information to users throughout Michigan. MOIS is also being adopted by several other States. The system utilizes several delivery modes--on-line computer, microfiche, and microcomputer.

In step with advances in computer technology, MOIS is now prepared to distribute a newly developed software package. This software contains all of the MOIS data files as well as the Structured Search for use on a large microcomputer system. The software was written for a hardware configuration costing between $18,000 and $19,000. This price would include the cost of the computer and four peripherals (three CRTs and a printer) as well as shipping charges. The computer contains 64 Kbytes of main memory, a 1.24 megabyte floppy disk drive, and an eight megabyte Winchester technology hard disk drive. Selection of the hardware for which the software was converted was done by a competitive bid process conducted by the Michigan Department of Management and Budget.

In addition to the new software described above, MOIS continues to maintain and distribute three computer versions containing all of the MOIS data files and the Structured Search. These programs are written in Basic and run on the following systems:

A. Hewlett Packard 2000 Access
B. Digital Equipment Corporation (DEC) PDP 11/70
C. IBM 360 or 370 series using the Macomb Information System (MIS)

MOIS also provides the Structured Search without the data files for use on the following microcomputers:

A. Radio Shack TRS80 16K (tape) Model I and III
B. Radio Shack TRS80 32K (tape) Model I and III
C. Radio Shack TRS80 32K (disk) Model I
D. Radio Shack TRS80 32K (disk) Model III
E. Commodore Pet 16K (tape)
F. Apple II 32K (disk)

At present, the computer versions described above are the only ones maintained and distributed by MOIS. As long as funds are available and user need for these versions continues, MOIS will continue to update them on an annual basis. Other computer versions have been converted by users and, prior to implementation, have been certified by MOIS for accuracy. However, the updating of these versions remains the responsiblity of the MOIS user. Because it is not possible for MOIS to develop and distribute computer versions that are compatible with every configuration of computer hardware available, user sites should contact the MOIS office if there is any question regarding the availability of MOIS computer versions for their hardware.

MOIS files consist of State and local information. The files are:

1. Occupations
2. Post-Secondary Programs
3. Post-Secondary Schools
4. School Subjects
5. Apprenticeship
6. Military
7. Financial Aid
8. Secondary Vocational Education
9. Adult Education

MOIS software and support documents are available upon request by State occupational information coordinating committees (SOICCs) even though these materials are copyrighted by the State of Michigan. They are available to other States for use in the public interest. Requests for these materials must come through a SOICC.

For further information, contact:

Mr. Jack Lawrence, Coordinator
MOIS Information Development
Michigan Occupational Information System
P.O. Box 30009
Lansing, Michigan 48909
(517) 373-0815

NATIONAL CAREER INFORMATION SYSTEM (NCIS)

The Career Information System (CIS) is designed to be a systematic approach to the delivery of information for career planning purposes. Although some good national data are available, labor market and education data are produced at the State and, in some cases, the sub-state level. Consequently, CIS is the delivery model that has been adapted to the needs of a variety of States.

DELIVERY

In most States, the information in a CIS is delivered either on computer systems or in a manual print or microfiche format. Computer delivery allows users to access any piece of information at any time and to sort quickly through occupational titles that match their interests and abilities. In a sense, computer power allows the user to simulate a variety of labor markets that might require his or her unique skills and interests. The details of individual occupations within that market are available by typing a few simple commands. Computer delivery has been found to be attractive and motivational for youths and adults. In every survey of CIS users, over 80% report that it is easy to use.

Microcomputers offer a new dimension in delivery systems both in terms of cost and flexibility. Many CIS operators are utilizing this attractive option for a diverse group of clients.

Print delivery is attractive, and it has the advantage of low cost relative to computer technology. Because of the rapidly changing labor market, printed editions of career information modules should be viewed as subscriptions rather than editions. Career information is perishable, and many CIS organizations label their books with "shelf dates" to insure that users understand that concept.

It is safe to say that CIS can operate on any computer which has a time-shared Fortran. Specifically CIS has been adapted to the following systems.

- Hewlett-Packard 2000s
- Hewlett-Packard 3000s
- PDP-11 RSTS/E
- DEC-10
- DEC-20
- IBM/CMS
- IBM/TSO
- Honeywell 6600 serie
- Honeywell Sigma series
- Control Data Cybers
- Univac 9080

SYSTEM DESIGN

The components of CIS have been designed to access computer-stored information via teletypewriter terminals, microcomputers or through a needlesort system with printouts of the System's information bound in book form. By storing and accessing the System's information in a computer system, the information can be easily updated. Computers also allow the flexibility of accessing any component at any time.

Some of the major information components of the Career Information System are:

QUEST - an introductory questionnaire that allows users to identify occupations that would utilize their interests, aptitudes and personal preferences.

DESCRIPTION FILE - information on occupations that represent over 90% of a State's employment. Users may access an occupational description and receive a 300-word description of job duties, working conditions, hiring requirements, and employment prospects. The descriptions can be localized to geographic regions within a State.

BIBLIOGRAPHY FILE - information about the most pertinent publications for each occupation in the System.

VISIT FILE - names of local people available to discuss their respective occupations with interested individuals.

CLUBS - lists of career exploratory clubs (Scouting Explorer Posts and Junior Achievement) in the State.

PREPARATION FILE - a statement for each occupation in the system that includes ways to prepare for the occupations, skills needed, licensing requirements and a cross-reference to appropriate postsecondary educational training.

PROGRAM FILE - information on postsecondary educational programs and a description of degrees offered, specialties, program objectives, courses and a list of schools in the State that offer the program.

SCHOOL FILE - information on all two-and-four-year colleges and licensed proprietary institutions in the State. Users may compare schools, selecting the information they want from a list of over 70 different information topics.

NATIONAL SCHOOL FILE (optional) - information on all four-year schools in the United States. Users may compare schools by selecting information they want from a list of over forty informational topics. Users may also sort and produce lists of schools based upon selected characteristics of the schools.

PROGRAM PLANNING SYSTEM FILE (optional) - information presented in greater detail for administrators who plan vocational and professional training programs. The file includes program and occupational data, lists of major employers and references to major data and methodological sources.

For further information contact:

National Career Information System
Hendricks Hall
University of Oregon
Eugene, Oregon 97403
(503) 686-3872

VITAL INFORMATION FOR EDUCATION AND WORK (VIEW)

What is VIEW?

VIEW is a career guidance and counseling tool that is developed and distributed through various State Departments of Education. VIEW is distributed on microfiche, mocrofilm, aperature cards, and hard copy.

What Does it Provide?

The VIEW programs contain information on occupations and related educational and training programs within a specific State.

What Information is Provided on Each Occupation or Program?

The content varies by State but usually consist of information such as:

- Job descriptions, personal traits, aptitudes, and physical abilities
- Education and training needed, locations where education and training is offered and where to write for additional information.
- Working conditions, fringe benefits, statewide demand, starting and average salary, prospects for employment and advancement.
- Additional information about the occupation or program and related occupations.

For further information contact:

Department of Education or the Department of Vocational Education within the appropriate State.

SECTION VIII

APPENDICES

CAREER INFORMATION DELIVERY SYSTEMS

Alabama
Dr. Mary Louise Simms, Director
Alabama Occupational Information
Coordinating Committee
First Southern Towers, Suite 402
1100 Commerce Street
Montgomery, Alabama 36130
(205) 832-5737

Alaska
Mr. Welles Gabler, Coordinator
Alaska Occupational Information
Coordinating Committee
Pouch F - State Office Building
Juneau, Alaska 99811
(907) 465-2787

Arkansas
Mr. Coy Cozart, Director
Arkansas Occupational Information
Coordinating Committee
Post Office Box 2981
Little Rock, Arkansas 72203
(501) 371-3551

Arizona
Mr. Bill Sharpe, Director, ACIS
Arizona Career Information System
1910 West Jefferson
Suite 2
Phoenix, Arizona 85007
(602) 255-5098

Colorado
Mr. Don Rea, Director
Colorado Career Information System
830 S. Lincoln
Longmont, Colorado 80501
(303) 666-9107

Connecticut
Mr. Jim Wivell, Director
Connecticut Career Informatin Delivery Systems
c/o Elm Hill School
569 Maple Hill Avenue
Newington, Connecticut 06111
(203) 666-1441

Delaware
Mr. Christopher D. Lyons, Director
State Occupational Information
Coordinating Committee
Drummond Plaza Office
Suite 3303, Building #3
Newark, Delaware 19711
(302) 368-6772

District of Columbia
Mr. Louis J. Chaney
Coordinator for Research
DCOICC
500 C Street, N.W., Rm. 207
Washington, D.C. 20001
(202) 724-3965

Florida
Mr. Bill Woolley, Executive Director
Center for Career Development Services
Florida Career Information Delivery Systems
Florida Department of Education
Knott Building
Tallahassee, Florida 32301
(904) 488-0400

Georgia
Mr. Les Janis, Director
Georgia Career Information System
Post Office Box 1028
Georgia State University
University Place
Atlanta, Georgia 30303
(404) 658-3100

Hawaii
Mr. Patrick A. Stanley, Executive Director
Hawaii State Occupational Information
Coordinating Committee
1164 Bishop Street, Suite 502
Honolulu, Hawaii 96813
(808) 548-3496

Idaho
Mr. Charles R. Mollerup, Coordinator
State Occupational Information
Coordinating Committee
Len B. Jordan Building - Room #301
650 W. State Street
Boise, Idaho 83720
(208) 334-3705

Illinois
Ms. Diane Kjos, Director
Horizons
217 East Monroe, Suite 203
Springfield, Illinois 62706
(217) 785-0789

Iowa
Mr. Roger Foelske, Director
Career Information System of Iowa
Grimes State Office Building
Des Moines, Iowa 50319
(515) 281-4703

Indiana
Dr. Sue Horowitz, Director
TEDS
150 W. Market Street
Suite 503 - ISTA Bldg.
Indianapolis, Indiana 46204
(317) 232-1906

Kansas
Mr. Dennis Angle, Director
Kansas Careers
Kansas State University
College of Education
Manhatten, Kansas 66506
(913) 532-6540

Maine
Mr. Dennis Fortier, Director
Maine Career Information Delivery System
State House Station 71
Augusta, Maine 04333
(207) 289-2331

Maryland
Ms. Eleanor Meyer, Diector
Maryland Career Information Delivery System
Baltimore New Directions for Women
12 East 25th Street
Baltimore, Maryland 21218
(301) 889-6495

Michigan
Mr. Joseph McGarvey, Director
Michigan OIS
Michigan Department of Education
Post Office Box 30009
Lansing, Michigan 48909
(517) 373-0815

Minnesota
Dr. G. Dean Miller
Minnesota Career Information System
State Department of Education
Capitol Square Building
550 Cedar Street
St. Paul, Minnesota 55101
(612) 296-4080

Montana
Ms. Summyah Bilal, Director
Montana Learning Services
Office of the Commissioner of
Higher Education
33 South Last Chance Gulch
Helena, Montana 59620
(406) 449-4772

Nebraska
Dr. Elton Mendenhall, Director
Nebraska Career Information Delivery System
West 300 Nebraska Hall
University of Nebraska
Lincoln, Nebraska 68588
(402) 472-3337

New Jersey
Mr. Paul Suda
New Jersey Career Information
Delivery System
Department of Labor and Industry
Division of Planning and Research
Post Office Box CN056
Trenton, New Jersey 08625
(609) 292-2626

New Mexico
Dr. S. Gregory Bowes
Associate Professor of Secondary
and Adult Education
University of New Mexico
Albuquerque, New Mexico 87103
(505) 277-6260

New York
Mr. Albert Ross, SOICC Director
State Department of Labor
Labor Department Building #12
State Campus - Room 559A
Albany, New York 12240
(518) 457-2930

North Carolina
Ms. Joyce Kinnison, SOICC Director
North Carolina Department of Administration
112 W. Lane Street
218 Howard Building
Raleigh, North Carolina 27611
(919) 733-6700

North Dakota
Mr. Dan Marrs, Director
North Dakota Occupational Information
Coordinating Committee
Pinehurst Building - Post Office Box 1537
Bismarck, North Dakota 58505
(701) 224-2733

Ohio
Mrs. Karen Shylo, Assistant Director
Vocational Education
65 S. Front Street, Room 901
Columbus, Ohio 43215
(614) 466-5718

Oklahoma
Dr. J. B. Morton, Executive Director
Oklahoma Occupational Information
Coordinating Committee
School of Occupational and Adult Education
Oklahoma State University
1515 West 6th Street
Stillwater, Oklahoma 74074
(405) 377-2000 - Ext. 311

Oregon
Dr. Bruce McKinley
Oregon Career Information System
247 Hendricks Hall
University of Oregon
Eugene, Oregon 97403
(503) 686-3872

South Carolina
Ms. Carol Kososki, Director
South Carolina Occupational Information
Coordinating Committee
1550 Gadsden Street
Columbia, South Carolina 29202
(803) 758-3165

South Dakota
Mr. Carl Ritenour, Director
South Dakota VIEW
108 East Missouri
Pienne, South Dakota 57501
(605) 773-3447

Texas
Mr. Edmund Ney, Executive Director
Texas Occupational Information
Coordinating Committee
Texas Employment Commission Building
15th and Congress, Room 526T
Austin, Texas 78778
(512) 397-4970

Vermont
Dr. Victor P. Racicot, Director
Vermont Occupational Information
Coordinating Committee
Post Office Box 488
Montpelier, Vermont 05602
(802) 229-0311

Virginia
Dr. Carl McDaniels, Co-Director
Virginia View
VPI & SU - College of Education
301 University City Office Building
Blacksburg, Virginia 24061
(703) 961-6890

Washington

Mr. Elton Chase, Director
Washington Occupational Information Service
70 Evergreen State College
Olympia, Washington 98505
(206) 866-6740

Wisconsin

Dr. Roger Lambert, Director
Wisconsin Career Information Delivery System
Educational Sciences Building, Room 952
1025 W. Johnson
Madison, Wisconsin 53706
(608) 263-1048

Wyoming

Ms. Karen Scott, Director
Wyoming Career Information System
Post Office Box 3803
University Station
Laramie, Wyoming 82071
(307) 766-6189